FOR APPROVAL **PUBLIC** **OPEN SESSION**

TO:	UTSC Academic Affairs Committee
SPONSOR:	Prof. Karin Ruhlandt, Vice-Principal Academic and Dean
CONTACT INFO:	416-208-7027, vpdean.utsc@utoronto.ca
PRESENTER:	See above.
CONTACT INFO:	
DATE:	March 19, 2025 for March 26, 2025
AGENDA ITEM:	11

ITEM IDENTIFICATION:

Minor Modifications: Undergraduate Curriculum Changes, UTSC

JURISDICTIONAL INFORMATION:

The University of Toronto Scarborough Academic Affairs Committee (AAC) "is concerned with matters affecting the teaching, learning and research functions of the Campus (AAC Terms of Reference, 2021, Section 4)." Under section 5.7 of its Terms of Reference, the Committee "receives annually from its assessors, reports on matters within its areas of responsibility."

GOVERNANCE PATH:

1. UTSC Academic Affairs Committee (March 26, 2025) (for approval)

PREVIOUS ACTION TAKEN:

No previous action in governance has been taken on this item.

HIGHLIGHTS:

The Office of the Vice-Principal Academic and Dean reports, for approval, all curricular changes that do not impact program and course learning outcomes or mode of delivery.

This package includes minor modifications to the undergraduate curriculum, submitted by the academic units identified below. The changes are in effect as of Fall 2025, for the 2025-26 academic year.

- Department of Biological Sciences (Report: Undergraduate Minor Curriculum Modifications for Consent Agenda)
    - 21 Program Modifications:
        - SCCER1020: CERTIFICATE IN BIOLOGICAL SCIENCES RESEARCH EXCELLENCE
        - SCMAJ1030B: MAJOR PROGRAM IN BIOLOGY (SCIENCE)
        - SCMAJ1150: MAJOR PROGRAM IN CONSERVATION AND BIODIVERSITY (SCIENCE)
        - SCMAJ0215: MAJOR PROGRAM IN HUMAN BIOLOGY (SCIENCE)
        - SCMAJ0220: MAJOR PROGRAM IN MOLECULAR BIOLOGY, IMMUNOLOGY AND DISEASE (SCIENCE)
        - SCMAJ1060: MAJOR PROGRAM IN PLANT BIOLOGY (SCIENCE)
        - SCMIN1030A: MINOR PROGRAM IN BIOLOGY (SCIENCE)
        - SCSPE1150: SPECIALIST PROGRAM IN CONSERVATION AND BIODIVERSITY (SCIENCE)
        - SCSPE0215: SPECIALIST PROGRAM IN HUMAN BIOLOGY (SCIENCE)
        - SCSPE1030A: SPECIALIST PROGRAM IN INTEGRATIVE BIOLOGY (SCIENCE)
        - SCSPE1203: SPECIALIST PROGRAM IN MOLECULAR BIOLOGY AND BIOTECHNOLOGY (SCIENCE)
        - SCMIN1030A: MINOR PROGRAM IN BIOLOGY (SCIENCE)
        - SCMAJ1030M: MAJOR (CO-OPERATIVE) PROGRAM IN BIOLOGY (SCIENCE)
        - SCMAJ1150C: MAJOR (CO-OPERATIVE) PROGRAM IN CONSERVATION AND BIODIVERSITY (SCIENCE)
        - SCMAJ0215C: MAJOR (CO-OPERATIVE) PROGRAM IN HUMAN BIOLOGY (SCIENCE)
        - SCMAJ0220C: MAJOR (CO-OPERATIVE) PROGRAM IN MOLECULAR BIOLOGY, IMMUNOLOGY AND DISEASE (SCIENCE)
        - SCMAJ1060C: MAJOR (CO-OPERATIVE) PROGRAM IN PLANT BIOLOGY (SCIENCE)
        - SCSPE1150C: SPECIALIST (CO-OPERATIVE) PROGRAM IN CONSERVATION AND BIODIVERSITY (SCIENCE)
        - SCSPE0215C: SPECIALIST (CO-OPERATIVE) PROGRAM IN HUMAN BIOLOGY (SCIENCE)
        - SCSPE1030M: SPECIALIST (CO-OPERATIVE) PROGRAM IN INTEGRATIVE BIOLOGY (SCIENCE)
        - SCSPE1203C: SPECIALIST (CO-OPERATIVE) PROGRAM IN MOLECULAR BIOLOGY AND BIOTECHNOLOGY (SCIENCE)
    - 13 Course Modifications
    - 1 Retired Course

- Department of Computer & Mathematical Sciences (Report: Undergraduate Minor Curriculum Modifications for Consent Agenda)
    - 17 Program Modifications:
        - SCMAJ1688: MAJOR PROGRAM IN COMPUTER SCIENCE (SCIENCE)
        - SCMAJ1165: MAJOR PROGRAM IN MATHEMATICS (SCIENCE)
        - SCMAJ2289: MAJOR PROGRAM IN STATISTICS (SCIENCE)
        - SCMIN1688: MINOR PROGRAM IN COMPUTER SCIENCE (SCIENCE)
        - SCSPE0510: SPECIALIST PROGRAM IN COMPUTER SCIENCE - Comprehensive Stream (SCIENCE)
        - SCSPE0805: SPECIALIST PROGRAM IN COMPUTER SCIENCE - Entrepreneurship Stream (SCIENCE)
        - SCSPE0455: SPECIALIST PROGRAM IN COMPUTER SCIENCE - Information Systems Stream (SCIENCE)
        - SCSPE0795: SPECIALIST PROGRAM IN COMPUTER SCIENCE - Software Engineering Stream (SCIENCE)
        - SCSPE11659: SPECIALIST PROGRAM IN MATHEMATICS - Comprehensive Stream (SCIENCE)
        - SCSPE11655: SPECIALIST PROGRAM IN MATHEMATICS - Statistics Stream (SCIENCE)
        - SCSPE11653: SPECIALIST PROGRAM IN MATHEMATICS - Teaching Stream (SCIENCE)
        - SCSPE1165U: SPECIALIST (CO-OPERATIVE) PROGRAM IN MATHEMATICS - Comprehensive Stream (SCIENCE)
        - SCSPE11655M: SPECIALIST (CO-OPERATIVE) PROGRAM IN MATHEMATICS - Statistics Stream (SCIENCE)
        - SCSPE1166T: SPECIALIST (CO-OPERATIVE) PROGRAM IN MATHEMATICS - Teaching Stream (SCIENCE)
        - SCSPE2289F: SPECIALIST PROGRAM IN STATISTICS - Quantitative Finance Stream (SCIENCE)
        - SCSPE2289Z: SPECIALIST PROGRAM IN STATISTICS - Statistical Machine Learning and Data Science Stream (SCIENCE)
        - SCSPE2279F: SPECIALIST PROGRAM IN STATISTICS - Statistical Science Stream (SCIENCE)
    - 21 Course Modifications
    - 3 Retired Courses

- Department of Global Development Studies (Report: Undergraduate Minor Curriculum Modifications for Consent Agenda)
    - 1 Program Modification:
        - SCMINAFS: MINOR PROGRAM IN AFRICAN STUDIES (ARTS)
    - 7 Course Modifications
    - 2 Retired Courses

- Department of Health and Society (Report: Undergraduate Minor Curriculum Modifications for Consent Agenda)
    - 1 Program Modification:
        - SCMINAGS: MINOR PROGRAM IN AGING AND SOCIETY (ARTS)
    - 19 Course Modifications

- Department of Historical and Cultural Studies (Report: Undergraduate Minor Curriculum Modifications for Consent Agenda)
    - 12 Program Modifications:
        - SCMAJ0652C: MAJOR (CO-OPERATIVE) PROGRAM IN HISTORY (ARTS)
        - SCMAJ0571C: MAJOR (CO-OPERATIVE) PROGRAM IN WOMEN'S AND GENDER STUDIES (ARTS)
        - SCMAJGAS: MAJOR PROGRAM IN GLOBAL ASIA STUDIES (ARTS)
        - SCMAJ0652: MAJOR PROGRAM IN HISTORY (ARTS)
        - SCMAJ0571G: MAJOR PROGRAM IN WOMEN'S AND GENDER STUDIES (ARTS)
        - SCMIN2049: MINOR PROGRAM IN CLASSICAL STUDIES (ARTS)
        - SCMINGAS: MINOR PROGRAM IN GLOBAL ASIA STUDIES (ARTS)
        - SCMIN0652: MINOR PROGRAM IN HISTORY (ARTS)
        - SCMIN0571: MINOR PROGRAM IN WOMEN'S AND GENDER STUDIES (ARTS)
        - SCSPE0652C: SPECIALIST (CO-OPERATIVE) PROGRAM IN HISTORY (ARTS)
        - SCSPEGAS: SPECIALIST PROGRAM IN GLOBAL ASIA STUDIES (ARTS)
        - SCSPE0652: SPECIALIST PROGRAM IN HISTORY (ARTS)
    - 2 Course Code Changes
    - 27 Course Modifications
    - 17 Retired Courses

- Department of Language Studies (Report: Undergraduate Minor Curriculum Modifications for Consent Agenda)
    - 2 Program Modifications:
        - SCMAJ2156: MAJOR PROGRAM IN FRENCH (ARTS)
        - SCSPE2156: SPECIALIST PROGRAM IN FRENCH (ARTS)
    - 14 Course Modifications

- Department of Management (Report: Undergraduate Minor Curriculum Modifications for Consent Agenda)
    - 5 Program Modifications:
        - SCMAJ0133: MAJOR PROGRAM IN ECONOMICS FOR MANAGEMENT STUDIES (ARTS)
        - SCSPE1332: SPECIALIST (CO-OPERATIVE) PROGRAM IN ECONOMICS FOR MANAGEMENT STUDIES (BACHELOR OF BUSINESS ADMINISTRATION)

        - SCSPE2432F: SPECIALIST PROGRAM IN MANAGEMENT AND FINANCE (BACHELOR OF BUSINESS ADMINISTRATION)
        - SCSPE2432Q: SPECIALIST PROGRAM IN STRATEGIC MANAGEMENT - Entrepreneurship Stream (BACHELOR OF BUSINESS ADMINISTRATION)
        - SCSPE24320: SPECIALIST PROGRAM IN STRATEGIC MANAGEMENT - Management Strategy Stream (BACHELOR OF BUSINESS ADMINISTRATION)
    - 4 Course Modifications
    - 2 Retired Courses

- Department of Sociology (Report: Undergraduate Minor Curriculum Modifications for Consent Agenda)
    - 4 Program Modifications:
        - SCCER1040: CERTIFICATE IN COMPUTATIONAL SOCIAL SCIENCE
        - SCMIN1017: MINOR PROGRAM IN CRITICAL MIGRATION STUDIES (ARTS)
        - SCMIN1015: MINOR PROGRAM IN CULTURE, CREATIVITY, AND CITIES (ARTS)
        - SCSPE1013: SPECIALIST PROGRAM IN SOCIOLOGY (ARTS)
    - 2 Course Modifications

FINANCIAL IMPLICATIONS:

There are no significant financial implications to the campus operating budget.

RECOMMENDATION:

Be it resolved,

THAT the Report – Undergraduate Minor Curriculum Modifications for Consent Agenda changes for the 2025-26 academic year, as detailed in the respective curriculum report, be approved.

DOCUMENTATION PROVIDED:

1. Report - Undergraduate Minor Curriculum Modifications for Consent Agenda

UNIVERSITY OF TORONTO

University of Toronto Scarborough
2024-25 Curriculum Cycle
Undergraduate Minor Curriculum Modifications for Consent Agenda
March 26, 2025

Biological Sciences (UTSC), Department of

21 Program Modifications

SCCER1020: CERTIFICATE IN BIOLOGICAL SCIENCES RESEARCH EXCELLENCE

Completion Requirements:

Certificate Requirements
Students must complete a minimum of 1.5 credits as follows:

1. BIOD98Y3*
and any one of the following:
BIOB97H3*
BIOB98H3
BIOB99H3
BIOC99H3*
BIOD99Y3*
*Note: students must earn a grade of A- or higher in these courses in order to be eligible for the Certificate.

2. All students must engage in at least one consultation with the liaison librarian for the Department of Biological Sciences in order to develop their skills in literature mining and using an evidence-based approach to study design and data analysis.

3. Upon completion of the specified courses in component 1 of the Requirements, students must provide an overall summary of their research accomplishments to the Department in order to receive the Certificate.

Description of Proposed Changes:
Adding BIOB97H3 to the Certificate as an option.

Rationale:
BIOB97H3 is an introduction to the process of research. It is meant to provide interested students with foundational skills to help them pursue additional research experiences and career paths. All BIOB97H3 students learn research techniques in an area of biological sciences and engage in experiential learning in research as they learn experimental design, data collection, and written and oral science communication making this course well suited to be included in the Certificate

Impact:
None

Consultations:
DCC September 12, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCMAJ1030B: MAJOR PROGRAM IN BIOLOGY (SCIENCE)

Completion Requirements:

Program Requirements
This program consists of 8.0 required credits.

First Year
1. 1.0 Credit of Introductory Biology Courses
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit of Introductory Chemistry Courses
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms or CHMA12H3 Advanced General Chemistry]

3. 0.5 Credit in Mathematics or Statistics Courses
Choose from:
MATA29H3 Calculus I for the Life Sciences
MATA30H3 Calculus I for Physical Sciences
STAB22H3 Statistics I
PSYB07H3 Data Analysis in Psychology

Second Year
4. 3.0 Credits of Biology Core Courses
BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB34H3 Animal Physiology
BIOB38H3 Plants and Society
BIOB50H3 Ecology
BIOB51H3 Evolutionary Biology
BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOB90H3 is a graduation requirement for students in this program. ~~Concurrent enrolment in at least one of the BIO B-level courses listed above is required for enrolment in BIOB90H3.~~ Please see BIOB90H3 in the Calendar for important information.

5. 0.5 Credit of Biology Core Labs
Choose from:
BIOB12H3 Cell and Molecular Biology Laboratory
BIOB32H3 Animal Physiology Laboratory
BIOB33H3 Human Development and Anatomy~~ Laboratory~~
BIOB52H3 Ecology and Evolutionary Biology Laboratory

Third Year
6. 1.5 Credits of Additional C-level Biology Courses
Choose from: Any BIO C-level courses offered by the department.
~~Note: NROC34H3 (Neuroethology) may also be used toward fulfilling this requirement.~~
BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOC90H3 is a graduation requirement for students in this program~~. Concurrent enrolment in one of the participating BIO C-level courses is required for enrolment in BIOC90H3~~. Please see BIOC90H3 in the Calendar for important information.

Fourth Year
7. 0.5 Credit of Additional D-Level Biology Courses
Choose from: Any BIO D-level courses offered by the department. Note: that this includes the Biology Supervised Studies and Directed Research courses (BIOD95H3, BIOD98Y3 and BIOD99Y3).

Enrolment Requirements:

Enrolment Requirements
Students apply to the Major Program in Biology after completing a minimum of 4.0 full credits, including 1.0 credit in Biology (excluding BIOA11H3, BIOA12H3), 1.0 credit in Chemistry, and 0.5 credit in Mathematics (excluding MATA02H3) or Statistics. Students are admitted on the basis of academic performance.

Application for admission is made to the Office of the Registrar through ACORN, in April/May and July/August. See the Office of the Registrar for more information on program selection.

Description of Proposed Changes:
1. Adding an exclusion to BIOA12H3 for enrolment requirements
2. Removing references to the previous corequisites in BIOB90H3 and BIOC90H3
3. Removing NROC34H3 reference

Rationale:
1. BIOA12H3 is designed as an introductory biology course for students that have no biology background. Students taking BIOA12H3 will be excluded if they have completed grade 12 Biology (SBI4U) therefore our Specialist and Major program students will not be eligible to take this course.
2. Removing references to the previous corequisites in BIOB90H3 and BIOC90H3 as we have not been able to enforce these corequisites. This is a more student centric approach allowing them flexibility on when to complete this graduation requirement.
3. Removing NROC34H3 reference due to retiring the NRO course code and changing the code to BIOC44H3 removing the need for an additional note.

Impact:
1. This change will provide students with greater flexibility and guidelines for their timetables and program completion.

Consultations:
DCC September 12, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCMAJ1150: MAJOR PROGRAM IN CONSERVATION AND BIODIVERSITY (SCIENCE)

Completion Requirements:

Program Requirements
This program consists of 8.5 required credits.

First Year
1. 1.0 Credit of Introductory Biology Courses

BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit of Introductory Chemistry Courses
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms or CHMA12H3 Advanced General Chemistry]

3. 0.5 Credit in Mathematics or Statistics
Choose from:
MATA29H3 Calculus I for the Life Sciences
MATA30H3 Calculus I for Physical Sciences
STAB22H3 Statistics I
PSYB07H3 Data Analysis in Psychology

Second Year
4. 3.0 Credits of Biology Core Courses
BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB34H3 Animal Physiology
BIOB38H3 Plants and Society
BIOB50H3 Ecology
BIOB51H3 Evolutionary Biology

BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOB90H3 is a graduation requirement for students in this program. ~~Concurrent enrolment in at least one of the BIO B-level courses listed above is required for enrolment in BIOB90H3.~~ Please see BIOB90H3 in the Calendar for important information.

5. 0.5 Credit of Biology Core Labs
BIOB52H3 Ecology and Evolutionary Biology Laboratory

Third Year
6. 1.0 Credit of Ecology & Evolution Foundation Courses
Choose from:
BIOC16H3 Evolutionary Genetics and Genomics
BIOC50H3 Macroevolution
BIOC52H3 Field Ecology
BIOC61H3 Community Ecology and Environmental Biology
BIOC63H3 Conservation Biology

7. 1.0 Credit of Other C-level Courses
Choose from:
BIOC30H3 From Genetic Codes to Fantastic Creatures
BIOC37H3 Plants: Life on the Edge
BIOC40H3 Plant Physiology
BIOC51H3 Tropical Biodiversity Field Course
BIOC54H3 Animal Behaviour
BIOC58H3 Biological Consequences of Global Change
BIOC59H3 Advanced Population Ecology
BIOC60H3 Winter Ecology
BIOC62H3 Role of Zoos and Aquariums in Conservation
BIOC65H3 Environmental Toxicology
(BIOC67H3) Inter-University Biology Field Course
BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*
EESC04H3 Biodiversity and Biogeography
EESC30H3 Environmental Microbiology
***Note**: Completion of BIOC90H3 is a graduation requirement for students in this program. ~~Concurrent enrolment in one of the participating BIO C-level courses is required for enrolment in BIOC90H3.~~ Please see BIOC90H3 in the Calendar for important information.

Fourth Year
8. 0.5 Credit of D-level Courses
Choose from:
BIOD25H3 Genomics
BIOD26H3 Fungal Biology & Pathogenesis
BIOD34H3 Conservation Physiology
BIOD43H3 Animal Movement and Exercise
BIOD45H3 Animal Communication
BIOD48H3 Ornithology
BIOD52H3 Biodiversity and Conservation
BIOD53H3 Special Topics in Animal Behaviour
BIOD54H3 Applied Conservation Biology
BIOD55H3 Experimental Animal Behaviour
BIOD59H3 Models in Ecology, Epidemiology and Conservation
BIOD60H3 Spatial Ecology
BIOD62H3 Symbiosis: Interactions Between Species
BIOD63H3 From Individuals to Ecosystems: Advanced Topics in Ecology
BIOD66H3 ~~Causes and Consequences of Biodiversity~~ Quantitative Ecological and Biodiversity Analysis
BIOD67H3 Inter-University Biology Field Course
EESD15H3 Fundamentals of Site Remediation

Enrolment Requirements:

Enrolment Requirements
Students apply to the Major Program in Conservation and Biodiversity after completing a minimum of 4.0 credits, including 1.0 credit in Biology (excluding BIOA11H3, BIOA12H3), 1.0 credit in Chemistry, and 0.5 credit in Mathematics (excluding MATA02H3) or Statistics. Students are admitted on the basis of academic performance.

Application for admission is made to the Office of the Registrar through ACORN, in April/May and July/August. See the Office of the Registrar for more information on program selection.

Description of Proposed Changes:
1. Adding BIOA12H3 to enrolment exclusions
2. Removing corequisite note for BIOB90H3 and BIOC90H3
3. Adding BIOC30H3 as an additional C level
4. Editorial Course Title change for BIOD66H3

Rationale:
1. BIOA12H3 is designed as an introductory biology course for students that have no biology background. Students taking BIOA12H3 will be excluded if they have completed grade 12 Biology (SBI4U) therefore our Specialist and Major program students will not be eligible to take this course.
2. Removing references to the previous corequisites in BIOB90H3 and BIOC90H3 as we have not been able to enforce these corequisites. This is a more student centric approach allowing them flexibility on when to complete this graduation requirement.
3. We are adding BIOC30H3 as an additional C level to give students additional options.
4. Changing the titles for BIOC70H3 and BIOD66H3 to reflect the changes proposed for each course.

Impact:
1. This change will provide students with greater flexibility and guidelines for their timetables and program completion.
2. Adding these courses will provide students with additional options.

Consultations:
DCC September 12, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCMAJ0215: MAJOR PROGRAM IN HUMAN BIOLOGY (SCIENCE)

Completion Requirements:

Program Requirements:
This program consists of 8.5 credits.

Required Courses and Suggested Course Sequence

First Year
1. 1.0 Credit of Introductory Biology Courses
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit in Introductory Chemistry Courses
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms or CHMA12H3 Advanced General Chemistry]

3. 1.0 Credit in ~~Introductory Psychology~~ Courses Related to Human Health
HLTA02H3 Foundations in Health Studies I
HLTA03H3 Foundations in Health Studies II
HLTB15H3 Introduction to Health Research Methodology
HLTB16H3 Introduction to Public Health
HLTB20H3 Contemporary Human Evolution and Variation
HLTB22H3 Biological Determinants of Health
HLTB40H3 Health Policy and Health Systems
HLTB44H3 Pathophysiology and Etiology of Disease
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

4. 0.5 Credit in Mathematics or Statistics
Choose From:
MATA29H3 Calculus I for the Life Sciences
MATA30H3 Calculus I for Physical Sciences
STAB22H3 Statistics I
PSYB07H3 Data Analysis in Psychology

Second Year
5. 2.5 Credits of Biology Core Courses
BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB34H3 Animal Physiology
BIOB50H3 Ecology
BIOB51H3 Evolutionary Biology
BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*

*__Note__: Completion of BIOB90H3 is a graduation requirement for students in this program. ~~Concurrent enrolment in at least one of the BIO B-level courses listed above is required for enrolment in BIOB90H3.~~ Please see BIOB90H3 in the Calendar for important information.

6. 0.5 Credit in a Biology Core Lab
Choose From:
BIOB32H3 Animal Physiology Laboratory
BIOB33H3 Human Development and Anatomy

Third/Fourth Years
7. 1.5 Credits of C-Level Courses
Choose From:
ANTC47H3 Human and Primate Comparative Osteology
ANTC48H3 Advanced Topics In Human Osteology
BIOC10H3 Cell Biology: Proteins from Life to Death
BIOC14H3 Genes, Environment and Behaviour
BIOC15H3 Genetics
BIOC16H3 Evolutionary Genetics and Genomics
BIOC17H3 Microbiology
BIOC19H3 Animal Developmental Biology
BIOC20H3 Principles of Virology
BIOC21H3 Vertebrate Histology: Cells and Tissues
BIOC30H3 From Genetic Codes to Fantastic Creatures
BIOC32H3 Human Physiology I
BIOC34H3 Human Physiology II
BIOC35H3 Principles of Parasitology
BIOC39H3 Immunology
BIOC54H3 Animal Behaviour
BIOC58H3 Biological Consequences of Global Change
BIOC65H3 Environmental Toxicology
BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*
*__Note__: Completion of BIOC90H3 is a graduation requirement for students in this program~~. Concurrent enrolment in one of the participating BIO C-level courses is required for enrolment in BIOC90H3~~. Please see BIOC90H3 in the Calendar for important information.

8. 0.5 Credit of D-Level Courses
Choose From:
BIOD06H3 Advanced Topics in Neural Basis of Motor Control
BIOD07H3 Advanced Topics and Methods in Neural Circuit Analysis
BIOD08H3 Theoretical Neuroscience
BIOD12H3 Protein Homeostasis
BIOD15H3 Mechanisms of Gene Regulation in Health and Disease
BIOD17H3 Seminars in Cellular Microbiology
BIOD19H3 Epigenetics in Health and Disease
BIOD20H3 Special Topics in Virology
BIOD24H3 Human Stem Cell Biology and Regenerative Medicine
BIOD25H3 Genomics
BIOD26H3 Fungal Biology and Pathogenesis
BIOD27H3 Vertebrate Endocrinology
BIOD29H3 Pathobiology of Human Disease
BIOD32H3 Human Respiratory Pathophysiology
BIOD33H3 Comparative Animal Physiology
BIOD34H3 Conservation Physiology
~~BIOD35H3 Sports Science~~
BIOD36H3 Advanced Topics in Molecular Parasitology
BIOD43H3 Animal Movement and Exercise
BIOD59H3 Models in Ecology, Epidemiology and Conservation
BIOD65H3 Pathologies of the Nervous System
BIOD95H3 Supervised Study in Biology (topic must be human-related and approved by the program supervisor)
HTLD18H3 Dental Sciences
HLTD44H3 Environmental Contaminants, Vulnerability and Toxicity

Description:

Academic Program Supervisor Email: human-biology@utsc.utoronto.ca

The Major in Human Biology provides training and background in general biology with the opportunity to concentrate on courses in upper years that are related to human health. Upper year courses are available in physiology, cell and molecular biology, anatomy, microbiology, pathology, endocrinology, anthropology, psychology and biochemistry. This program is suitable for students with an interest in applied biology in health sciences or in social sciences related to human health.

Enrolment Requirements:

Enrolment Requirements
Students apply to the Major Program in Human Biology after completing a minimum of 4.0 credits, including 1.0 credit in Biology (excluding BIOA11H3, BIOA12H3), 1.0 credit in Chemistry, and 0.5 credit in Mathematics (excluding MATA02H3) or Statistics. Students are admitted on the basis of academic performance.

Application for admission is made to the Office of the Registrar through ACORN, in April May and July/August. See the UTSC Office of the Registrar's http://www.utsc.utoronto.ca/registrar/programs website for more information on program selection.

Description of Proposed Changes:
1. Adding BIOA12H3 as an exclusion for enrolment

2. Adding additional HLT courses to Psychology course bin as options
3. Modifying BIOB90H3 and BIOC90H3 Statements to reflect corequisite changes
4. Adding ANTC47H3, ANTC48H3, BIOC30H3, HTLD18H3, BIOD34H3 BIOD36H3 as options in bins

Rationale:

1. BIOA12H3 is designed as an introductory biology course for students that have no biology background. Students taking BIOA12H3 will be excluded if they have completed grade 12 Biology (SBI4U) therefore our Specialist and Major program students will not be eligible to take this course.
2. Our current major only includes Psychology courses, where we have moved our Specialist program to include Health and Society courses. We are adding a similar set of courses for our major program students to provide more breadth related to the function and human health. This will also ensure consistency between the building blocks between the Specialist program and the Major program. This does not modify the learning outcomes of the program.
3. Removing references to the previous corequisites in BIOB90H3 and BIOC90H3 as we have not been able to enforce these corequisites. This is a more student centric approach allowing them flexibility on when to complete this graduation requirement.
4. We are adding additional options at the C and D level (ANTC47H3, ANTC48H3, BIOC30H3, HLTD18H3, BIOD34H3, BIOD36H3) to give students additional options in the area of human biology related courses.

Impact:

1. This change will provide students with greater flexibility and guidelines for their timetables and program completion.
2. Adding these courses will provide students with additional options.
3. Additional Enrolment in Anthropology and Health and Society courses which these units are aware of and approve

Consultations:

DCC September 12, 2024
Anthropology Approval of courses added November 7, 2024
DCC Health and Society November 7, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resource Implications:

None

Proposal Status:

Under Review

SCMAJ0220: MAJOR PROGRAM IN MOLECULAR BIOLOGY, IMMUNOLOGY AND DISEASE (SCIENCE)

Completion Requirements:

Program Requirements
This program consists of 8.5 credits.

First Year
1. 1.0 Credit of Introductory Biology Courses
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit of Introductory Chemistry Courses
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms or CHMA12H3 Advanced General Chemistry]

3. 0.5 Credit in Mathematics or Statistics
Choose from:
MATA29H3 Calculus I for the Life Sciences
MATA30H3 Calculus I for Physical Sciences
STAB22H3 Statistics I
PSYB07H3 Data Analysis in Psychology

Second Year
4. 2.5 Credits of Biology Core Courses
BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB34H3 Animal Physiology
BIOB50H3 Ecology
BIOB51H3 Evolutionary Biology
BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOB90H3 is a graduation requirement for students in this program. ~~Concurrent enrolment in at least one of the BIO B-level courses listed above is required for enrolment in BIOB90H3.~~ Please see BIOB90H3 in the Calendar for important information.

5. 0.5 Credit in a Biology Core Lab
~~Choose From:~~
BIOB12H3 Cell and Molecular Biology Laboratory
~~BIOB32H3 Animal Physiology Laboratory~~
~~BIOB33H3 Human Development and Anatomy~~

Third/Fourth Years
6. 1.5 Credit of Required C-level Courses
BIOC17H3 Microbiology
BIOC20H3 Principles of Virology
BIOC39H3 Immunology

7. 1.0 Credit of Additional C-level Courses
Choose from:
BIOC10H3 Cell Biology: Proteins from Life to Death
BIOC12H3 Biochemistry I: Proteins & Enzymes

BIOC13H3 Biochemistry II: Bioenergetics and Metabolism
BIOC14H3 Genes, Environment and Behaviour
BIOC15H3 Genetics
BIOC18H3 Looking Inside Cells Current Methods in Cell Biology
BIOC19H3 Animal Developmental Biology
BIOC30H3 From Genetic Codes to Fantastic Creatures
BIOC31H3 Plant Development and Biotechnology
BIOC35H3 Principles of Parasitology
BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOC90H3 is a graduation requirement for students in this program. ~~Concurrent enrolment in one of the participating BIO C-level courses is required for enrolment in BIOC90H3.~~ Please see BIOC90H3 in the Calendar for important information.

8. 0.5 credit of D-level Biology Courses
Choose from:
BIOD12H3 Protein Homeostasis
BIOD13H3 Herbology: The Science Behind Medicinal Plants
BIOD15H3 Mechanisms of Gene Regulation in Health and Disease
BIOD17H3 Seminars in Cellular Microbiology
BIOD18H3 Practical Approaches in Infection and Immunity
BIOD19H3 Epigenetics in Health and Disease
BIOD20H3 Special Topics in Virology
BIOD23H3 Special Topics in Cell Biology
BIOD24H3 Human Stem Cell Biology and Regenerative Medicine
BIOD25H3 Genomics
BIOD26H3 Fungal Biology and Pathogenesis
BIOD27H3 Vertebrate Endocrinology
BIOD29H3 Pathobiology of Human Disease
BIOD36H3 Advanced Topics in Molecular Parasitology

Description:

Academic Program Supervisor Email: molecular-biology-immunology@utsc.utoronto.ca

This program provides training and background in general biology with the opportunity to concentrate on courses in upper years that are related to immunology, infection and disease. Upper year courses are available in microbiology, immunology, biochemistry and pathobiology of disease. This program is suitable for students with an interest in molecular biology and disease.

Enrolment Requirements:

Enrolment Requirements
Students apply to the Major Program in Molecular Biology, Immunology and Disease after completing a minimum of 4.0 credits, including 1.0 credit in Biology (excluding BIOA11H3, BIOA12H3), 1.0 credit in Chemistry, and 0.5 credit in Mathematics (excluding MATA02H3) or Statistics. Students are admitted on the basis of academic performance.

Application for admission is made to the Office of the Registrar through ACORN, in April/May and July/August. See the UTSC Office of the Registrar's http://www.utsc.utoronto.ca/registrar/programs website for more information on program selection.

Description of Proposed Changes:
1. Adding BIOA12H3 as an exclusion for enrolment
2. Modifying BIOB90H3 and BIOC90H3 Statements to reflect corequisite changes
3. Adding BIOC18H3, BIOC30H3, BIOD18H3, BIOC36H3 as options in C or D level bins
4. Removing BIOB32H3 and BIOB33H3 as laboratory options

Rationale:
1. BIOA12H3 is designed as an introductory biology course for students that have no biology background. Students taking BIOA12H3 will be excluded if they have completed grade 12 Biology (SBI4U) therefore our Specialist and Major program students will not be eligible to take this course.
2. Removing references to the previous corequisites in BIOB90H3 and BIOC90H3 as we have not been able to enforce these corequisites. This is a more student centric approach allowing them flexibility on when to complete this graduation requirement.
3. We are adding additional options at the C and D level (BIOC18H3, BIOC30H3, BIOD18H3, BIOC36H3) to give students additional options in the area of human biology related courses.
4. BIOB12H3 is the most consistent lab that fully supports the learning outcomes of the program. We had BIOB32H3 and BIOB33H3 previously listed due to lab capacity issues that have now been resolved where we are able to accommodate all students within the BIOB12H3 core laboratory. BIOB12H3 will greater support students in this program in developing the techniques that are needed for co-op placements in this field.

Impact:
1. This change will provide students with greater flexibility and guidelines for their timetables and program completion.
2. Adding these courses will provide students with additional options.

Consultations:
DCC September 12, 2024
Registrar’s Office (Lindsey Taylor) February 28, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCMAJ1060: MAJOR PROGRAM IN PLANT BIOLOGY (SCIENCE)

Completion Requirements:

Program Requirements
Students are required to complete a total of 8.5 credits.

Required Courses and Suggested Course Sequence:

First Year
1. 1.0 Credit of Introductory Biology Courses
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit of Introductory Chemistry Courses
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms or CHMA12H3 Advanced General Chemistry]

3. 0.5 Credit ~~of~~in Mathematics or Statistics Courses
Choose From:
MATA29H3 Calculus I for the Life Sciences
MATA30H3 Calculus I for Physical Sciences
STAB22H3 Statistics I
PSYB07H3 Data Analysis in Psychology

Second Year
4. 2.5 Credits of Biology Core Courses
BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB38H3 Plants and Society
BIOB50H3 Ecology
BIOB51H3 Evolutionary Biology
BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOB90H3 is a graduation requirement for students in this program. ~~Concurrent enrolment in at least one of the BIO B-level courses listed above is required for enrolment in BIOB90H3.~~ Please see BIOB90H3 in the Calendar for important information.

5. 0.5 Credit of Biology Core Labs
Choose From:
BIOB12H3 Cell and Molecular Biology Laboratory
BIOB52H3 Ecology and Evolutionary Biology Laboratory

Third Year
6. 1.5 Credits of C-level Plant Courses
BIOC31H3 Plant Development and Biotechnology
BIOC37H3 Plants: Life on the Edge
BIOC40H3 Plant Physiology

Third/ Fourth Year
7. 1.0 Credit of Additional C-level Courses
Choose From:
BIOC12H3 Biochemistry I: Proteins and Enzymes
BIOC13H3 Biochemistry II: Bioenergetics and Metabolism
BIOC15H3 Genetics
BIOC17H3 Microbiology
BIOC30H3 From Genetic Codes to Fantastic Creatures
BIOC35H3 Principles in Parasitology
BIOC50H3 Macroevolution
BIOC52H3 Field Ecology
BIOC61H3 Community Ecology and Environmental Biology
BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOC90H3 is a graduation requirement for students in this program. ~~Concurrent enrolment in one of the participating BIO C-level courses is required for enrolment in BIOC90H3.~~ Please see BIOC90H3 in the Calendar for important information.

Fourth Year
8. 0.5 Credit of D-level Biology Courses
Choose From:
BIOD12H3 Protein Homeostasis
BIOD13H3 Herbology: The Science Behind Medicinal Plants
BIOD21H3 Advanced Molecular Biology Laboratory
BIOD26H3 Fungal Biology and Pathogenesis
BIOD30H3 Plant Research and Biotechnology: Addressing Global Problems
BIOD36H3 Advanced Topics in Molecular Parasitology
BIOD37H3 Biology of Plant Stress
BIOD62H3 Symbiosis: Interactions Between Species

Note: Students who are interested in research or graduate studies can choose to take BIOC99H3, BIOD95H3, BIOD98Y3 or BIOD99Y3 supervised study courses with faculty to obtain additional research experience and training in plant biology.

Enrolment Requirements:

Enrolment Requirements
Students apply to the Major Program in Plant Biology after completing a minimum of 4.0 credits, including 1.0 credit in Biology (excluding BIOA11H3, BIOA12H3), 1.0 credit in Chemistry, and 0.5 credit in Mathematics (excluding MATA02H3) or Statistics. Students are admitted based on academic performance.

Application for admission is made to the Office of the Registrar through ACORN, in April/May and July/August. See the Office of the Registrar for more information on program selection.

Description of Proposed Changes:
1. Adding BIOA12H3 as an exclusion to enrolment requirements.
2. Add MATA29H3, MATA30H3 to the Mathematics and Statistics bin
3. Modifying BIOB90H3 and BIOC90H3 Statements to reflect corequisite changes
4. Adding BIOC30H3, BIOD36H3 as options in C and D level bins

Rationale:
1. BIOA12H3 is designed as an introductory biology course for students that have no biology background. Students taking BIOA12H3 will be excluded if they have completed grade 12 Biology (SBI4U) therefore our Specialist and Major program students will not be eligible to take this course.
2. We are adding MATA29H3 and MATA30H3 as options in the Mathematics and Statistics bin to match the enrolment requirements of the program that specify Mathematics as an option. This created an inconsistency with our other major programs that allowed students to have these as options.
3. Removing references to the previous corequisites in BIOB90H3 and BIOC90H3 as we have not been able to enforce these corequisites. This is a more student centric approach allowing them flexibility on when to complete this graduation requirement.
4. We are adding additional options at the C and D level (BIOC30H3, BIOD36H3) to give students additional options at the C and D level.

Impact:
1. This change will provide students with greater flexibility and guidelines for their timetables and program completion.
2. Adding these courses will provide students with additional options.

Consultations:
DCC September 12, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCMIN1030A: MINOR PROGRAM IN BIOLOGY (SCIENCE)

Completion Requirements:

Program Requirements
Students are required to complete a total of 4.0 credits.

1. 1.0 credit of Introductory Biology courses:
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions

2. 3.0 credits in Biology*, of which at least 1.0 credit must be at the C- or D-level.
**(NROC34H3) may be used toward fulfilling this requirement.
**Neither BIOA11H3 or BIOA12H3 may not be used towards fulfilling this requirement.

Description of Proposed Changes:
1. Bracketing reference to retired NROC34H3
2. Adding BIOA12H3 as an exclusion

Rationale:
Removing sentence advising NROC34H4 can be used due to the course being retired. DEX is already counting any NRO course towards the minor program and that will not change going forward as NRO courses still exist in the Department of Psychology as part of the Neuroscience program.
BIOA12H3 is designed as an introductory biology course for students that have no biology background. Students taking BIOA12H3 will be excluded if they have completed grade 12 Biology (SBI4U) therefore our Specialist and Major program students will not be eligible to take this course.

Impact:
This change will not impact students who are completing the Minor program

Consultations:
DCC September 12, 2024
DCC Psychology October 10, 2024

Resource Implications:
None

Proposal Status:
Under Review

SCSPE1150: SPECIALIST PROGRAM IN CONSERVATION AND BIODIVERSITY (SCIENCE)

Completion Requirements:

Program Requirements
This program consists of 14.5 required credits.

A. Required Courses

First Year
1. 1.0 Credit of Introductory Biology Courses
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit of Introductory Chemistry Courses
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms or CHMA12H3 Advanced General Chemistry]

3. 1.0 Credit in Mathematics
Choose from:
[MATA29H3 Calculus I for the Life Sciences or MATA30H3 Calculus I for Physical Sciences]
and
[MATA35H3 Calculus II for Biological Sciences or MATA36H3 Calculus II for Physical Sciences]

4. 0.5 Credit in Physics
Choose from:
PHYA10H3 Physics I for the Physical Sciences
PHYA11H3 Physics I for the Life Sciences

5. 0.5 Credit in Computer Science
Choose from:
CSCA08H3 Introduction to Computer Science I (most appropriate course for computer science students)
CSCA20H3 Introduction to Programming (most appropriate course for non-computer science students)

Second Year
6. 3.0 Credits of Biology Core Courses
BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB34H3 Animal Physiology
BIOB38H3 Plants and Society
BIOB50H3 Ecology
BIOB51H3 Evolutionary Biology
BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOB90H3 is a graduation requirement for students in this program. ~~Concurrent enrolment in at least one of the BIO B-level courses listed above is required for enrolment in BIOB90H3.~~ Please see BIOB90H3 in the Calendar for important information.

7. 0.5 Credit of Biology Core Labs
BIOB52H3 Ecology and Evolutionary Biology Laboratory

8. 0.5 Credit in Statistics
Choose from:
STAB22H3 Statistics I
PSYB07H3 Data Analysis in Psychology

Third Year
9. 2.5 Credits of C-level Ecology and Evolution Foundation Courses
BIOC16H3 Evolutionary Genetics and Genomics
BIOC50H3 Macroevolution
BIOC52H3 Field Ecology
BIOC61H3 Community Ecology and Environmental Biology
BIOC63H3 Conservation Biology

Third/Fourth Year
10. 4.0 credits of C- & D-level courses from Bins 1 and 2 below. This must include at least 1.0 credit from each bin and at least 1.0 credit total at the D-level.

Bin 1: C- & D-level Ecology and Evolution Courses
Choose from:
BIOC51H3 Tropical Biodiversity Field Course
BIOC58H3 Biological Consequences of Global Change
BIOC60H3 Winter Ecology
BIOC65H3 Environmental Toxicology
(BIOC67H3) Inter-University Biology Field Course
BIOD25H3 Genomics
BIOD52H3 Biodiversity and Conservation
BIOD54H3 Applied Conservation Biology
BIOD55H3 Experimental Animal Behaviour
BIOD59H3 Models in Ecology, Epidemiology and Conservation
BIOD60H3 Spatial Ecology
BIOD62H3 Symbiosis: Interactions Between Species
BIOD63H3 From Individuals to Ecosystems: Advanced Topics in Ecology
BIOD66H3 ~~Causes and Consequences of Biodiversity~~ Quantitative Ecological and Biodiversity Analysis
BIOD67H3 Inter-University Biology Field Course
EESC04H3 Biodiversity and Biogeography

Bin 2: C- & D-level Organismal Biology Courses
Choose from:
BIOC29H3 Introductory Mycology
BIOC30H3 From Genetic Codes to Fantastic Creatures
BIOC37H3 Plants: Life on the Edge
BIOC40H3 Plant Physiology
BIOC54H3 Animal Behaviour
BIOC59H3 Advanced Population Ecology
BIOC62H3 Role of Zoos and Aquariums in Conservation
BIOC70H3 An Introduction to Bias in ~~the~~STEMM (Science, Technology, Engineering, Mathematics and Medicine)
BIOD26H3 Fungal Biology & Pathogenesis

BIOD34H3 Conservation Physiology
BIOD37H3 Biology of Plant Stress
BIOD43H3 Animal Movement and Exercise
BIOD45H3 Animal Communication
BIOD48H3 Ornithology
BIOD53H3 Special Topics in Animal Behaviour
BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*
EESC30H3 Environmental Microbiology
***Note**: Completion of BIOC90H3 is a graduation requirement for students in this program~~. Concurrent enrolment in one of the participating BIO C-level courses is required for enrolment in BIOC90H3~~. Please see BIOC90H3 in the Calendar for important information.

B. Senior Research Courses (optional)
Students interested in graduate research are encouraged to take one or more of the independent research courses offered in Biological Sciences as part of their degree.
BIOD95H3 Supervised Study in Biology
BIOD98Y3 Directed Research in Biology
BIOD99Y3 Directed Research in Biology

Enrolment Requirements:

Enrolment Requirements
Students apply to the Specialist Program in Conservation and Biodiversity after completing a minimum of 4.0 credits, including 1.0 credit in Biology (excluding BIOA11H3, BIOA12H3), 1.0 credit in Chemistry, and 0.5 credit in Mathematics (excluding MATA02H3) or Statistics and with a minimum cumulative grade point average (CGPA) of at least 2.0.

Application for admission is made to the Office of the Registrar through ACORN, in April/May and July/August. See the Office of the Registrar for more information on program selection.

Description of Proposed Changes:
1. Adding BIOA12H3 to enrolment exclusions
2. Removing corequisite note for BIOB90H3 and BIOC90H3
3. Adding BIOC30H3 as an additional C level
4. Editorial Course Title changes for BIOC70H3 and BIOD66H3

Rationale:
1. BIOA12H3 is designed as an introductory biology course for students that have no biology background. Students taking BIOA12H3 will be excluded if they have completed grade 12 Biology (SBI4U) therefore our Specialist and Major program students will not be eligible to take this course.
2. Removing references to the previous corequisites in BIOB90H3 and BIOC90H3 as we have not been able to enforce these corequisites. This is a more student centric approach allowing them flexibility on when to complete this graduation requirement.
3. We are adding BIOC30H3 as an additional C level to give students additional options.
4. Changing the titles for BIOC70H3 and BIOD66H3 to reflect the changes proposed for each course.

Impact:
1. This change will provide students with greater flexibility and guidelines for their timetables and program completion.
2. Adding these courses will provide students with additional options.

Consultations:
DCC September 12, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCSPE0215: SPECIALIST PROGRAM IN HUMAN BIOLOGY (SCIENCE)

Completion Requirements:

Program Requirements
This Program consists of 15.0 credits.

Required Courses and Suggested Course Sequence

First Year
1. 1.0 credit in Introductory Biology Courses
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 credit in Introductory Chemistry Courses
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms or CHMA12H3 Advanced General Chemistry]

3. 1.0 credit in Mathematics
[MATA29H3 Calculus I for the Life Sciences or MATA30H3 Calculus I for Physical Sciences]
and
[MATA35H3 Calculus II for Biological Sciences or MATA36H3 Calculus II for Physical Sciences]

4. 1.0 credit in Introductory Physics Courses
[PHYA10H3 Physics I for the Physical Sciences or PHYA11H3 Physics I for the Life Sciences]
[PHYA21H3 Physics II for the Physical Sciences or PHYA22H3 Physics II for the Life Sciences]

5. 0.5 credit in Statistics

Choose From:
STAB22H3 Statistics I
PSYB07H3 Data Analysis in Psychology

Second Year
6. 3.0 credits in Biology Core Courses
BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB34H3 Animal Physiology
BIOB38H3 Plants and Society
BIOB50H3 Ecology
BIOB51H3 Evolutionary Biology
BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOB90H3 is a graduation requirement for students in this program. ~~Concurrent enrolment in at least one of the BIO B-level courses listed above is required for enrolment in BIOB90H3.~~ Please see BIOB90H3 in the Calendar for important information.

7. 1.0 credit in Biology Core Labs
BIOB32H3 Animal Physiology Laboratory
BIOB33H3 Human Development and Anatomy ~~Laboratory~~

8. 1.0 credit in Organic Chemistry Courses
CHMB41H3 Organic Chemistry I
CHMB42H3 Organic Chemistry II

Third/Fourth Years
9. 2.5 credits in C-level Biology Core Courses
Choose From:
BIOC15H3 Genetics
BIOC17H3 Microbiology
BIOC20H3 Principles of Virology
BIOC32H3 Human Physiology I
BIOC34H3 Human Physiology II
BIOC39H3 Immunology

10. 1.5 credits in Additional C-level Biology Courses
Choose From:
ANTC47H3 Human Skeletal Anatomy and Biology
ANTC48H3 Advanced Topics In Human Osteology
BIOC10H3 Cell Biology: Proteins from Life to Death
BIOC12H3 Biochemistry I: Proteins and Enzymes
BIOC13H3 Biochemistry II: Bioenergetics and Metabolism
BIOC14H3 Genes, Environment and Behaviour
BIOC16H3 Evolutionary Genetics and Genomics
BIOC18H3 Looking Inside Cells Current Methods in Cell Biology
BIOC19H3 Animal Developmental Biology
BIOC21H3 Vertebrate Histology: Cells and Tissues
BIOC30H3 From Genetic Codes to Fantastic Creatures
BIOC35H3 Principles of Parasitology
BIOC40H3 Plant Physiology
BIOC58H3 Biological Consequences of Global Change
BIOC65H3 Environmental Toxicology
BIOC70H3 An Introduction to Bias in ~~the~~STEMM (Science, Technology, Engineering, Mathematics and Medicine)
BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOC90H3 is a graduation requirement for students in this program. ~~Concurrent enrolment in one of the participating BIO C-level courses is required for enrolment in BIOC90H3.~~ Please see BIOC90H3 in the Calendar for important information.

11. 1.0 credit in D-level Courses
Choose From:
BIOD06H3 Advanced Topics in Neural Basis of Motor Control
BIOD07H3 Advanced Topics and Methods in Neural Circuit Analysis
BIOD12H3 Protein Homeostasis
BIOD13H3 Herbology: The Science Behind Medicinal Plants
BIOD15H3 Mechanisms of Gene Regulation in Health and Disease
BIOD17H3 Seminars in Cellular Microbiology
BIOD18H3 Practical Approaches in Infection and Immunity
BIOD19H3 Epigenetics in Health and Disease
BIOD20H3 Special Topics in Virology
BIOD24H3 Human Stem Cell Biology and Regenerative Medicine
BIOD25H3 Genomics
BIOD26H3 Fungal Biology and Pathogenesis
BIOD27H3 Vertebrate Endocrinology
BIOD29H3 Pathobiology of Human Disease
BIOD32H3 Human Respiratory Pathophysiology
BIOD33H3 Comparative Animal Physiology
BIOD34H3 Conservation Physiology
~~BIOD35H3 Sports Science~~
BIOD36H3 Advanced Topics in Molecular Parasitology
BIOD37H3 Biology of Plant Stress

BIOD43H3 Animal Movement and Exercise
BIOD59H3 Models in Ecology, Epidemiology and Conservation
BIOD65H3 Pathologies of the Nervous System
HTLD18H3 Dental Sciences
HLTD44H3 Environmental Contaminants, Vulnerability and Toxicity

12. 0.5 credit in Psychology or Health Studies
Choose From:
HLTA02H3 ~~Foundations in Health Studies I~~ Exploring Health and Society: Theories, Perspectives, and Patterns
HLTA03H3 ~~Foundations in Health Studies II~~ Navigating Health and Society: Research, Practice, and Policy
HLTB15H3 ~~Introduction to~~ Health Research Methodology
HLTB16H3 ~~Introduction to~~ Public Health
~~(HLTB17H3) Conceptual Models of Health~~
HLTB20H3 ~~Contemporary Human Evolution and Variation~~Human Biological Variation and Evolution
~~(HLTB21H3) Infectious Diseases~~
HLTB22H3 Biological Determinants of Health
HLTB40H3 Health Policy and Health Systems
HLTB44H3 Pathophysiology and Etiology of Disease
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

Enrolment Requirements:

Enrolment Requirements
Students apply to the Specialist Program in Human Biology after completing a minimum of 4.0 credits, including 1.0 credit in Biology (excluding BIOA11H3, BIOA12H3), 1.0 credit in Chemistry, and 0.5 credit in Mathematics (excluding MATA02H3) or Statistics and with a minimum cumulative grade point average (CGPA) of at least 2.0.

Application for admission is made to the Office of the Registrar through ACORN, in April/May and July/August. See the Office of the Registrar for more information on program selection.

Description of Proposed Changes:
1. Adding BIOA12H3 to enrolment exclusions
2. Adding PHYA10H3 and PHYA21H3 as options
3. Removing corequisite note for BIOB90H3 and BIOC90H3
4. Adding ANTC47H3, ANTC48H3, BIOC18H3, BIOC30H3, BIOD18H3, BIOD34H3, BIOD36H3, HLTB44H3, and HLTD18H3 as options in bins
5. Removing HLTB17H3, HLTB21H3 and BIOD35H3 as options
6. Editorial course title changes for BIOB33H3, BIOC70H3, HLTA01H3, HLTA02H3, HLTB15H3, HLTB16H3, HLTB20H3

Rationale:
1. BIOA12H3 is designed as an introductory biology course for students that have no biology background. Students taking BIOA12H3 will be excluded if they have completed grade 12 Biology (SBI4U) therefore our Specialist and Major program students will not be eligible to take this course.
2. We are adding PHYA10H3 and PHYA21H3 as options to have consistency between our Specialist Programs that require both Physics I and Physics II. This will also ensure there are additional options for students to move within programs in the department.
3. Removing references to the previous corequisites in BIOB90H3 and BIOC90H3 as we have not been able to enforce these corequisites. This is a more student centric approach allowing them flexibility on when to complete this graduation requirement.
4. We are adding additional options at the C and D level (ANTC47H3, ANTC48H3, BIOC18H3, BIOC30H3, BIOD18H3, BIOD34H3, BIOD36H3, HLTD18H3, HLTB44H3) to give students additional options in the area of human biology related courses. These changes do not modify the learning outcomes of the program.
5. We are also removing HLTB17H3, HLTB21H3 and BIOD35H3 as these courses are all retired and have not been offered in quite a long time.
6. Changing the titles for BIOB33H3, BIOC70H3, HLTA01H3, HLTA02H3, HLTB15H3, HLTB16H3, HLTB20H3 to reflect the title changes proposed.

Impact:
1. This change will provide students with greater flexibility and guidelines for their timetables and program completion.
2. Adding these courses will provide students with additional options.
3. Adding the Anthropology C levels may lead to increases in enrolment for these courses.

Consultations:
DCC September 12, 2024
Anthropology Approval of courses added November 7, 2024
DCC Health and Society November 7, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCSPE1030A: SPECIALIST PROGRAM IN INTEGRATIVE BIOLOGY (SCIENCE)

Completion Requirements:

Program Requirements
This program consists of 14.5 required credits.

First Year
1. 1.0 Credit of Introductory Biology Courses
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit of Introductory Chemistry Courses
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms or CHMA12H3 Advanced General Chemistry]

3. 1.0 Credit in Mathematics
Choose from:
[MATA29H3 Calculus I for the Life Sciences or MATA30H3 Calculus I for Physical Sciences]
and
[MATA35H3 Calculus II for Biological Sciences or MATA36H3 Calculus II for Physical Sciences]

4. 0.5 Credit in Physics
Choose from:
PHYA10H3 Physics I for the Physical Sciences
PHYA11H3 Physics I for the Life Sciences

5. 0.5 Credit in Computer Science
Choose from:
CSCA08H3 Introduction to Computer Science I (most appropriate course for computer science students)
CSCA20H3 Introduction to Programming (most appropriate course for non-computer science students)

Second Year
6. 3.0 Credits of Biology Core Courses
BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB34H3 Animal Physiology
BIOB38H3 Plants and Society
BIOB50H3 Ecology
BIOB51H3 Evolutionary Biology
BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOB90H3 is a graduation requirement for students in this program. ~~Concurrent enrolment in at least one of the BIO B-level courses listed above is required for enrolment in BIOB90H3.~~ Please see BIOB90H3 in the Calendar for important information.

7. 0.5 Credit of Biology Core Labs
Choose from:
BIOB12H3 Cell and Molecular Biology Laboratory
BIOB32H3 Animal Physiology Laboratory
BIOB33H3 Human Development and Anatomy ~~Laboratory~~
BIOB52H3 Ecology and Evolutionary Biology Laboratory

8. 0.5 Credit in Statistics
Choose from:
STAB22H3 Statistics I
PSYB07H3 Data Analysis in Psychology

Third/Fourth Year
9. 2.5 Credits of Biology Foundation Courses
BIOC15H3 Genetics
BIOC17H3 Microbiology
[BIOC37H3 Plants: Life on the Edge or BIOC40H3 Plant Physiology]
BIOC54H3 Animal Behaviour
BIOC61H3 Community Ecology

10. 1.0 Credit of Advanced Courses in Cellular and Organismal Biology
Choose from:
BIOC12H3 Biochemistry I: Proteins and Enzymes
BIOC13H3 Biochemistry II: Bioenergetics and Metabolism
BIOC18H3 Looking Inside Cells Current Methods in Cell Biology
BIOC20H3 Principles of Virology
BIOC21H3 Vertebrate Histology: Cells and Tissues
BIOC23H3 Practical Approaches to Biochemistry
BIOC29H3 Introductory Mycology
BIOC30H3 From Genetic Codes to Fantastic Creatures
BIOC32H3 Human Physiology I
BIOC34H3 Human Physiology II
[BIOC37H3 Plants: Life on the Edge or BIOC40H3 Plant Physiology; whichever course is not used to fulfill Biology Foundation course requirement]
BIOC39H3 Immunology
BIOC65H3 Environmental Toxicology
BIOC70H3 An Introduction to Bias in ~~the~~STEMM (Science, Technology, Engineering, Mathematics and Medicine)
~~NROC34H3~~BIOC44H3 Neuroethology

11. 1.0 Credit of Advanced Courses in Ecology and Conservation
Choose from:
BIOC50H3 Macroevolution
BIOC51H3 Tropical Biodiversity Field Course
BIOC52H3 Ecology Field Course
BIOC58H3 Biological Consequences of Global Change
BIOC59H3 Advanced Population Ecology
BIOC60H3 Winter Ecology
BIOC62H3 Role of Zoos and Aquariums in Conservation
BIOC63H3 Conservation Biology
(BIOC67H3) Inter-University Biology Field Course

EESC04H3 Biodiversity and Biogeography

12. 1.0 Credit of Advanced Courses in Genes and Development
Choose from:
BIOC10H3 Cell Biology: Proteins from Life to Death
BIOC14H3 Genes, Environment and Behaviour
BIOC16H3 Evolutionary Genetics and Genomics
BIOC19H3 Animal Developmental Biology
BIOC31H3 Plant Development and Biotechnology
BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOC90H3 is a graduation requirement for students in this program~~. Concurrent enrolment in one of the participating BIO C-level courses is required for enrolment in BIOC90H3~~. Please see BIOC90H3 in the Calendar for important information.

13. 1.0 Credit of D-Level Biology Courses
Choose from:
Any BIO D-level course offered by the Biological Sciences department.

Enrolment Requirements:

Enrolment Requirements
Students apply to the Specialist Program in Integrative Biology after completing a minimum of 4.0 credits, including 1.0 credit in Biology (excluding BIOA11H3, BIOA12H3), 1.0 credit in Chemistry, and 0.5 credit in Mathematics (excluding MATA02H3) or Statistics and with a minimum cumulative grade point average (CGPA) of at least 2.0.

Application for admission is made to the Office of the Registrar through ACORN, in April/May and July/August. See the Office of the Registrar for more information on program selection.

Description of Proposed Changes:
1. Adding BIOA12H3 as an exclusion for enrolment
2. Modifying BIOB90H3 and BIOC90H3 Statements to reflect corequisite changes
3. Adding BIOC18H3, BIOC30H3 as options in bins
4. Editorial changes: NROC34H3 course code change to BIOC44H3 and title change for BIOC70H3

Rationale:
1. BIOA12H3 is designed as an introductory biology course for students that have no biology background. Students taking BIOA12H3 will be excluded if they have completed grade 12 Biology (SBI4U) therefore our Specialist and Major program students will not be eligible to take this course.
2. Removing references to the previous corequisites in BIOB90H3 and BIOC90H3 as we have not been able to enforce these corequisites. This is a more student centric approach allowing them flexibility on when to complete this graduation requirement.
3. We are adding additional options at the C level (BIOC18H3, BIOC30H3) to give students additional options in the area of human biology related courses.
4. The rest are editorial to reflect changes in course code or course title changes.

Impact:
1. This change will provide students with greater flexibility and guidelines for their timetables and program completion.
2. Adding these courses will provide students with additional options.

Consultations:
DCC September 12, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCSPE1203: SPECIALIST PROGRAM IN MOLECULAR BIOLOGY AND BIOTECHNOLOGY (SCIENCE)

Completion Requirements:

Program Requirements
This program consists of 14.5 required credits.

First Year
1. 1.0 Credit of Introductory Biology Courses
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit of Introductory Chemistry Courses
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms or CHMA12H3 General Chemistry]

3. 1.0 Credit in Mathematics
Choose from:
[MATA29H3 Calculus I for the Life Sciences or MATA30H3 Calculus I for Physical Sciences]
and
[MATA35H3 Calculus II for Biological Sciences or MATA36H3 Calculus II for Physical Sciences]

4. 1.0 Credit in Physics
[PHYA10H3 Physics I for the Physical Sciences or PHYA11H3 Physics I for the Life Sciences]
[PHYA21H3 Physics II for the Physical Sciences or PHYA22H3 Physics II for the Life Sciences]

5. 0.5 Credit in Statistics
Choose from:

STAB22H3 Statistics I (this course could also be taken in the second year)
PSYB07H3 Data Analysis in Psychology (this course could also be taken in the second year)

Second Year
~~5~~6. 3.0 Credits of Biology Core Courses
BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB34H3 Animal Physiology
BIOB38H3 Plants and Society
BIOB50H3 Ecology
BIOB51H3 Evolutionary Biology
BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOB90H3 is a graduation requirement for students in this program. ~~Concurrent enrolment in at least one of the BIO B-level courses listed above is required for enrolment in BIOB90H3.~~ Please see BIOB90H3 in the Calendar for important information.

~~6~~7. 0.5 Credit of Biology Core Labs
BIOB12H3 Cell and Molecular Biology Laboratory

~~7~~8. 1.0 Credit of Organic Chemistry Courses
CHMB41H3 Organic Chemistry I
CHMB42H3 Organic Chemistry II

Third Year
~~8~~9. 3.5 Credits of Biology C-level Courses
BIOC12H3 Biochemistry I: Proteins & Enzymes
BIOC13H3 Biochemistry II: Bioenergetics and Metabolism
BIOC15H3 Genetics
BIOC17H3 Microbiology
BIOC20H3 Principles of Virology
BIOC23H3 Practical Approaches to Biochemistry
BIOC39H3 Immunology (can be completed in third or fourth year)

~~9~~10. 0.5 Credit in Computer Science
Choose from:
CSCA08H3 Introduction to Computer Science I (most appropriate course for computer science students)
CSCA20H3 Introduction to Programming (most appropriate course for non-computer science students)
(computer science could also be taken in an earlier year)

Third/Fourth Year
11~~10~~. 0.5 Credit of Cognate Biology Courses
Choose from:
BIOC10H3 Cell Biology: Proteins from Life to Death
BIOC14H3 Genes, Environment and Behaviour
BIOC18H3 Looking Inside Cells: Current Methods in Cell Biology
BIOC19H3 Animal Developmental Biology
BIOC21H3 Vertebrate Histology: Cells and Tissues
BIOC30H3 From Genetic Codes to Fantastic Creatures
BIOC31H3 Plant Development and Biotechnology
BIOC35H3 Principles of Parasitology
BIOC40H3 Plant Physiology
BIOC70H3 An Introduction to Bias in ~~the~~STEMM (Science, Technology, Engineering, Mathematics and Medicine)
BIOD37H3 Biology of Plant Stress
BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOC90H3 is a graduation requirement for students in this program. ~~Concurrent enrolment in one of the participating BIO C-level courses is required for enrolment in BIOC90H3.~~ Please see BIOC90H3 in the Calendar for important information.

Fourth Year
12~~11~~. 0.5 Credit in Advanced Molecular Techniques
BIOD21H3 Advanced Molecular Biology Laboratory

13~~12~~. 0.5 credit of D-level Research-oriented "Cell & Molecular" Course Work
Choose from:
BIOD12H3 Protein Homeostasis
BIOD13H3 Herbology: The Science Behind Medicinal Plants
BIOD15H3 Mechanisms of Gene Regulation in Health and Disease
BIOD17H3 Seminars in Cellular Microbiology
BIOD18H3 Practical Approaches in Infection and Immunity
BIOD19H3 Epigenetics in Health and Disease
BIOD20H3 Special Topics in Virology
BIOD22H3 Molecular Biology of the Stress Response
BIOD23H3 Special Topics in Cell Biology
BIOD24H3 Human Stem Cell Biology and Regenerative Medicine
BIOD25H3 Genomics
BIOD26H3 Fungal Biology and Pathogenesis
BIOD27H3 Vertebrate Endocrinology
BIOD29H3 Pathobiology of Human Disease
BIOD30H3 Plant Research and Biotechnology: Addressing Global Problems
BIOD36H3 Advanced Topics in Molecular Parasitology

BIOD95H3 Supervised Study in Biology
BIOD98Y3 Directed Research in Biology
Note: Any of these courses not used to satisfy this requirement may be used to fulfill the '0.5 Credit of Cognate Biology Courses'.

Enrolment Requirements:

Enrolment Requirements
Students apply to the Specialist Program in Molecular Biology and Biotechnology after completing a minimum of 4.0 credits, including 1.0 credit in Biology (excluding BIOA11H3, BIOA12H3), 1.0 credit in Chemistry, and 0.5 credit in Mathematics (excluding MATA02H3) or Statistics and with a minimum cumulative grade point average (CGPA) of at least 2.0.

Application for admission is made to the Office of the Registrar through ACORN, in April/May and July/August. See the Office of the Registrar for more information on program selection.

Description of Proposed Changes:
1. Editing the requirements to separate Physics and Statistics as they got merged somehow in editing
2. Adding BIOA12H3 as an exclusion for enrolment
3. Modifying BIOB90H3 and BIOC90H3 Statements to reflect corequisite changes
4. Adding BIOC18H3, BIOC30H3, BIOD18H3, BIOD36H3 as options in bins
5. Editorial changes to BIOC70H3 course title

Rationale:
1. Separating Physics and Statistics by labelling them as separate requirements will clarify this for students with each being bolded as right now it looks like Statistics is more of an add on to the Physics requirement.
2. BIOA12H3 is designed as an introductory biology course for students that have no biology background. Students taking BIOA12H3 will be excluded if they have completed grade 12 Biology (SBI4U) therefore our Specialist and Major program students will not be eligible to take this course.
3. We are clarifying the language surrounding BIOB90H3 and BIOC90H3 to create a more streamlined and transparent approach for students. This will simplify their understanding regarding the role of BIOB90H3 and BIOC90H3 as far as program requirements.
4. We are adding additional C and D level options (BIOC18H3, BIOC30H3, BIOD18H3, BIOD36H3) to give students additional options in cognate Biology courses and Cell and Molecular related course work.
5. Adding the correct title for BIOC70H3 per course revision submission

Impact:
1. This change will provide students with greater flexibility and guidelines for their timetables and program completion.
2. Adding these courses will provide students with additional options.

Consultations:
DCC September 12, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCMIN1030A: MINOR PROGRAM IN BIOLOGY (SCIENCE)

Completion Requirements:

Program Requirements
Students are required to complete a total of 4.0 credits.

1. 1.0 credit of Introductory Biology courses:
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions

2. 3.0 credits in Biology*, of which at least 1.0 credit must be at the C- or D-level.
**(NROC34H3) may be used toward fulfilling this requirement.
**Neither BIOA11H3 or BIOA12H3 may not be used towards fulfilling this requirement.

Description of Proposed Changes:
1. Bracketing reference to retired NROC34H3
2. Adding BIOA12H3 as an exclusion

Rationale:
1. Removing sentence advising NROC34H4 can be used due to the course being retired. DEX is already counting any NRO course towards the minor program and that will not change going forward as NRO courses still exist in the Department of Psychology as part of the Neuroscience program.
2. BIOA12H3 is designed as an introductory biology course for students that have no biology background. Students taking BIOA12H3 will be excluded if they have completed grade 12 Biology (SBI4U) therefore our Specialist and Major program students will not be eligible to take this course.

Impact:
This change will not impact students who are completing the Minor program

Consultations:
DCC September 12, 2024
DCC Psychology October 10, 2024

Resource Implications:
None

Proposal Status:
Under Review

SCMAJ1030M: MAJOR (CO-OPERATIVE) PROGRAM IN BIOLOGY (SCIENCE)

Completion Requirements:

~~Students must complete the requirements as described in the Major in Biology~~
Program Requirements:
This program consists of 8.0 required credits.

First Year
1. 1.0 Credit of Introductory Biology Courses
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit of Introductory Chemistry Courses
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms or CHMA12H3 Advanced General Chemistry]

3. 0.5 Credit in Mathematics or Statistics Courses
Choose from:
MATA29H3 Calculus I for the Life Sciences
MATA30H3 Calculus I for Physical Sciences
STAB22H3 Statistics I
PSYB07H3 Data Analysis in Psychology

Second Year
4. 3.0 Credits of Biology Core Courses
BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB34H3 Animal Physiology
BIOB38H3 Plants and Society
BIOB50H3 Ecology
BIOB51H3 Evolutionary Biology
BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOB90H3 is a graduation requirement for students in this program. Please see BIOB90H3 in the Calendar for important information.

5. 0.5 Cr**edit of Biology Core Labs**
Choose from:
BIOB12H3 Cell and Molecular Biology Laboratory
BIOB32H3 Animal Physiology Laboratory
BIOB33H3 Human Development and Anatomy
BIOB52H3 Ecology and Evolutionary Biology Laboratory

Third Year
6. 1.5 Credits of Additional C-level Biology Courses
Choose from: Any BIO C-level courses offered by the department.
BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOC90H3 is a graduation requirement for students in this program. Please see BIOC90H3 in the Calendar for important information.

Fourth Year
7. 0.5 Credit of Additional D-Level Biology Courses
Choose from: Any BIO D-level courses offered by the department. Note: that this includes the Biology Supervised Studies and Directed Research courses (BIOD95H3, BIOD98Y3 and BIOD99Y3).

Co-op Work Term Requirements
Students must satisfactorily complete Co-op work term(s) as follows: three 4-month work terms, one 4-month work term and one 8-month work term, or one 12-month work term. To be eligible for their first work term, students must be enrolled in the Major (Co-op) in Biology and have completed at least 7.0 credits, achieve a cumulative GPA of 2.5 or higher, and complete COPB50H3 and COPB51H3.

Students must be available for work terms in each of the Fall, Winter, and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This requires that students take courses during at least one Summer semester.

Co-op Course Requirements
In addition to their academic program requirements, Co-op students complete the following Co-op specific courses as part of their degree:

• Co-op Preparation courses: COPB50H3 and COPB51H3 (completed in first year)
• Work Term Search courses: COPB52H3 (semester prior to first work term), COPC98H3 (semester prior to second work term), and COPC99H3 (semester prior to third work term)
• Co-op Work Term courses: COPC30H3 (each semester a student is on work term)

These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They must be completed in sequence, and fall into three categories: Co-op Preparation courses (COPB50H3 & COPB51H3) are completed in first year, and cover a variety of topics intended to assist students in developing the skills and tools required to secure a work term; Work Term Search Courses (COPB52H3, COPC98H3, & COPC99H3) are completed in the semester prior to each work term, and support students while competing for work terms that are appropriate to their program of study, as well as preparing students for the transition into and how to succeed the workplace; Co-op Work Term courses (COPC30H3) are completed during each semester that a student is on work term, and support students' success while on work term, as well as connecting their academics and the workplace experience.

Co-op courses are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Description:

Academic Program Supervisor~~: R. Sturge~~ Email: biology-major@utsc.utoronto.ca
Co-op Program Coordinator: C. Dixon Email: coopsuccess.utsc@utoronto.ca

The Major (Co-op) in Biology program complements and punctuates academic course work with full-time work terms in various governmental or non-governmental agencies, in labs or in public or private industry. These work terms help students define and refine their career and/or professional school goals. ~~For information on admissions, fees, work terms and standing in the Program, please see section 6B.5 (Co-operative Programs) or the Arts and Science Co-op section in this Calendar.~~

Enrolment Requirements:

Enrolment Requirements
The minimum qualifications for entry are 4.0 credits, including 1.0 credit in Biology (excluding BIOA11H3, BIOA12H3), 1.0 credit in Chemistry, and 0.5 credit in Mathematics (excluding MATA02H3) or Statistics. A minimum cumulative GPA of 2.5 or higher is required for admission.

Application for admission is made to the Office of the Registrar through ACORN, in April/May and July/August. See the UTSC Office of the Registrar's website for more information on program selection.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits and must meet the minimum qualifications for entry as noted above for this program.

Prospective Co-op Students:
Prospective Co-op students (i.e., those not yet admitted to a Co-op Degree POSt) must submit a program request on ACORN, and meet the minimum qualifications noted above. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in that student's application not being considered.

Description of Proposed Changes:

1. Updating the contact information and language in the Description
2. Adding an exclusion to BIOA12H3 for enrolment requirements
3. Removing references to the previous corequisites in BIOB90H3 and BIOC90H3
4. Removing NROC34H3 reference
5. Editorial changes: NROC34H3 course reference, adding the course sequence for students to have more transparency for the co-op requirements.

Rationale:

1. Updating the contact information in the Description and removing the outdated reference to section 6B.5 section of the Calendar to streamline the language and eliminate redundancy.
2. BIOA12H3 is designed as an introductory biology course for students that have no biology background. Students taking BIOA12H3 will be excluded if they have completed grade 12 Biology (SBI4U) therefore our Specialist and Major program students will not be eligible to take this course.
3. Removing references to the previous corequisites in BIOB90H3 and BIOC90H3 as we have not been able to enforce these corequisites. This is a more student centric approach allowing them flexibility on when to complete this graduation requirement.
4. Removing NROC34H3 reference due to retiring the NRO course code and changing the code to BIOC44H3 removing the need for an additional note.
5. Editorial changes to move the academic requirements under the co-op version for transparency in the co-op requirements.

Impact:

1. This change will provide students with greater flexibility and guidelines for their timetables and program completion and increase transparency regarding co-op academic program requirements.

Consultations:

DCC September 12, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resource Implications:

None

Proposal Status:

Under Review

SCMAJ1150C: MAJOR (CO-OPERATIVE) PROGRAM IN CONSERVATION AND BIODIVERSITY (SCIENCE)

Completion Requirements:

~~Students must complete the program requirements as described in the Major Program in Conservation and Biodiversity.~~
Program Requirements:
This program consists of 8.5 required credits

First Year
1. 1.0 Credit of Introductory Biology Courses
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit of Introductory Chemistry Courses
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms or CHMA12H3 Advanced General Chemistry]

3. 0.5 Credit in Mathematics or Statistics
Choose from:
MATA29H3 Calculus I for the Life Sciences
MATA30H3 Calculus I for Physical Sciences
STAB22H3 Statistics I
PSYB07H3 Data Analysis in Psychology

Second Year

4. 3.0 Credits of Biology Core Courses
BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB34H3 Animal Physiology
BIOB38H3 Plants and Society
BIOB50H3 Ecology
BIOB51H3 Evolutionary Biology
BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOB90H3 is a graduation requirement for students in this program. Please see BIOB90H3 in the Calendar for important information.

5. 0.5 Credit of Biology Core Labs
BIOB52H3 Ecology and Evolutionary Biology Laboratory

Third Year
6. 1.0 Credit of Ecology & Evolution Foundation Courses
Choose from:
BIOC16H3 Evolutionary Genetics and Genomics
BIOC50H3 Macroevolution
BIOC52H3 Field Ecology
BIOC61H3 Community Ecology and Environmental Biology
BIOC63H3 Conservation Biology

7. 1.0 Credit of Other C-level Courses
Choose from:
BIOC30H3 From Genetic Codes to Fantastic Creatures
BIOC37H3 Plants: Life on the Edge
BIOC40H3 Plant Physiology
BIOC51H3 Tropical Biodiversity Field Course
BIOC54H3 Animal Behaviour
BIOC58H3 Biological Consequences of Global Change
BIOC59H3 Advanced Population Ecology
BIOC60H3 Winter Ecology
BIOC62H3 Role of Zoos and Aquariums in Conservation
BIOC65H3 Environmental Toxicology
(BIOC67H3) Inter-University Biology Field Course
BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*
EESC04H3 Biodiversity and Biogeography
EESC30H3 Environmental Microbiology
***Note**: Completion of BIOC90H3 is a graduation requirement for students in this program. Please see BIOC90H3 in the Calendar for important information.

Fourth Year
8. 0.5 Credit of D-level Courses
Choose from:
BIOD25H3 Genomics
BIOD26H3 Fungal Biology & Pathogenesis
BIOD34H3 Conservation Physiology
BIOD43H3 Animal Movement and Exercise
BIOD45H3 Animal Communication
BIOD48H3 Ornithology
BIOD52H3 Biodiversity and Conservation
BIOD53H3 Special Topics in Animal Behaviour
BIOD54H3 Applied Conservation Biology
BIOD55H3 Experimental Animal Behaviour
BIOD59H3 Models in Ecology, Epidemiology and Conservation
BIOD60H3 Spatial Ecology
BIOD62H3 Symbiosis: Interactions Between Species
BIOD63H3 From Individuals to Ecosystems: Advanced Topics in Ecology
BIOD66H3 Quantitative Ecological and Biodiversity Analysis
BIOD67H3 Inter-University Biology Field Course
EESD15H3 Fundamentals of Site Remediation

Co-op Work Term Requirements
Students must satisfactorily complete Co-op work term(s) as follows: three 4-month work terms, one 4-month work term and one 8-month work term, or one 12-month work term. To be eligible for their first work term, students must be enrolled in the Major (Co-op) Program in Plant Biology and have completed at least 7.0 credits, achieve a cumulative GPA of 2.5 or higher, and complete COPB50H3 and COPB51H3.

Students must be available for work terms in each of the Fall, Winter, and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This requires that students take courses during at least one Summer semester.

Co-op Course Requirements
In addition to their academic program requirements, Co-op students complete the following Co-op specific courses as part of their degree:

• Co-op Preparation courses: COPB50H3 and COPB51H3 (completed in first year)
• Work Term Search courses: COPB52H3 (semester prior to first work term), COPC98H3 (semester prior to second work term), and COPC99H3 (semester prior to third work term)
• Co-op Work Term courses: COPC30H3 (each semester a student is on work term)

These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They

must be completed in sequence, and fall into three categories: Co-op Preparation courses (COPB50H3 & COPB51H3) are completed in first year, and cover a variety of topics intended to assist students in developing the skills and tools required to secure a work term; Work Term Search Courses (COPB52H3, COPC98H3, & COPC99H3) are completed in the semester prior to each work term, and support students while competing for work terms that are appropriate to their program of study, as well as preparing students for the transition into and how to succeed the workplace; Co-op Work Term courses (COPC30H3) are completed during each semester that a student is on work term, and support students' success while on work term, as well as connecting their academics and the workplace experience.

Co-op courses are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Description:

Academic Program Supervisor~~: R. Sturge~~ Email: biodiversity@utsc.utoronto.ca
Co-op Program Coordinator: C. Dixon Email: coopsuccess.utsc@utoronto.ca

This program provides background and training in modern biological approaches to the study of biodiversity, ecology, and evolution. The links between these fields are emphasized, and topics covered range from the structure and function of ecosystems to the evolution of behaviour, morphology, and physiology.

The Co-op option of the Conservation and Biodiversity program complements and punctuates academic course work with full-time work terms in the various governmental or non-governmental conservation agencies, in labs or in public or private industry. These placements help students define and refine their career and/or professional school goals. ~~For information on admissions, fees, work terms and standing in the Program, please see section 6B.5 (Co-operative Programs) or the Arts and Science Co-op section in this Calendar.~~

Enrolment Requirements:

Enrolment Requirements
Students apply to the Major (Co-operative) Program in Conservation and Biodiversity after completing a minimum of 4.0 credits, including 1.0 credit in Biology (excluding BIOA11H3, BIOA12H3), 1.0 credit in Chemistry, and 0.5 credit in Mathematics (excluding MATA02H3) or Statistics. A minimum cumulative grade point average (CGPA) of at least 2.5 or higher is required for admission.

Application for admission is made to the Office of the Registrar through ACORN, in April/May and July/August. See the UTSC Office of the Registrar's website for more information on program selection.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits and must meet the minimum qualifications for entry as noted above for this program.

Prospective Co-op Students:
Prospective Co-op students (i.e., those not yet admitted to a Co-op Degree POSt) must submit a program request on ACORN, and meet the minimum qualifications noted above. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in that student's application not being considered.

Description of Proposed Changes:

1. Updating the contact information and language in the Description
2. Adding BIOA12H3 to enrolment exclusions
3. Removing corequisite note for BIOB90H3 and BIOC90H3
4. Adding BIOC30H3 as an additional C level
5. Editorial Course Title change for BIOD66H3 and moving academic requirements existing in the non-co-op version

Rationale:

1. Updating the contact information in the Description and removing the outdated reference to section 6B.5 section of the Calendar to streamline the language and eliminate redundancy.
2. BIOA12H3 is designed as an introductory biology course for students that have no biology background. Students taking BIOA12H3 will be excluded if they have completed grade 12 Biology (SBI4U) therefore our Specialist and Major program students will not be eligible to take this course.
3. Removing references to the previous corequisites in BIOB90H3 and BIOC90H3 as we have not been able to enforce these corequisites. This is a more student centric approach allowing them flexibility on when to complete this graduation requirement.
4. We are adding BIOC30H3 as an additional C level to give students additional options.
5. Changing the titles for BIOD66H3 to reflect the changes proposed for the course and adding the academic requirements in from the non-co-op version to be consistent with our other co-op programs and to increase transparency for student academic program requirements.

Impact:

1. This change will provide students with greater flexibility and guidelines for their timetables and program completion.
2. Adding these courses will provide students with additional options.

Consultations:

DCC September 12, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resource Implications:

None

Proposal Status:

Under Review

SCMAJ0215C: MAJOR (CO-OPERATIVE) PROGRAM IN HUMAN BIOLOGY (SCIENCE)

Completion Requirements:

~~Students must complete the program requirements as described in the Major in Human Biology.~~

Program Requirements:
This program consists of 8.5 credits.

Required Courses and Suggested Course Sequence

First Year
1. 1.0 Credit of Introductory Biology Courses
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit in Introductory Chemistry Courses
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms or CHMA12H3 Advanced General Chemistry]

3. 1.0 Credit in Courses Related to Human Health
HLTA02H3 Foundations in Health Studies I
HLTA03H3 Foundations in Health Studies II
HLTB15H3 Introduction to Health Research Methodology
HLTB16H3 Introduction to Public Health
HLTB20H3 Contemporary Human Evolution and Variation
HLTB22H3 Biological Determinants of Health
HLTB40H3 Health Policy and Health Systems
HLTB44H3 Pathophysiology and Etiology of Disease
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

4. 0.5 Credit in Mathematics or Statistics
Choose From:
MATA29H3 Calculus I for the Life Sciences
MATA30H3 Calculus I for Physical Sciences
STAB22H3 Statistics I
PSYB07H3 Data Analysis in Psychology

Second Year
5. 2.5 Credits of Biology Core Courses
BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB34H3 Animal Physiology
BIOB50H3 Ecology
BIOB51H3 Evolutionary Biology
BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*
***Note:** Completion of BIOB90H3 is a graduation requirement for students in this program. Please see BIOB90H3 in the Calendar for important information.

6. 0.5 Credit in a Biology Core Lab
Choose From:
BIOB32H3 Animal Physiology Laboratory
BIOB33H3 Human Development and Anatomy

Third/Fourth Years
7. 1.5 Credits of C-Level Courses
Choose From:
ANTC47H3 Human and Primate Comparative Osteology
ANTC48H3 Advanced Topics in Human Osteology
BIOC10H3 Cell Biology: Proteins from Life to Death
BIOC14H3 Genes, Environment and Behaviour
BIOC15H3 Genetics
BIOC16H3 Evolutionary Genetics and Genomics
BIOC17H3 Microbiology
BIOC19H3 Animal Developmental Biology
BIOC20H3 Principles of Virology
BIOC21H3 Vertebrate Histology: Cells and Tissues
BIOC30H3 From Genetic Codes to Fantastic Creatures
BIOC32H3 Human Physiology I
BIOC34H3 Human Physiology II
BIOC35H3 Principles of Parasitology
BIOC39H3 Immunology
BIOC54H3 Animal Behaviour
BIOC58H3 Biological Consequences of Global Change
BIOC65H3 Environmental Toxicology
BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOC90H3 is a graduation requirement for students in this program. Please see BIOC90H3 in the Calendar for important information.

8. 0.5 Credit of D-Level Courses
Choose From:
BIOD06H3 Advanced Topics in Neural Basis of Motor Control
BIOD07H3 Advanced Topics and Methods in Neural Circuit Analysis
BIOD08H3 Theoretical Neuroscience
BIOD12H3 Protein Homeostasis
BIOD15H3 Mechanisms of Gene Regulation in Health and Disease
BIOD17H3 Seminars in Cellular Microbiology
BIOD19H3 Epigenetics in Health and Disease

BIOD20H3 Special Topics in Virology
BIOD24H3 Human Stem Cell Biology and Regenerative Medicine
BIOD25H3 Genomics
BIOD26H3 Fungal Biology and Pathogenesis
BIOD27H3 Vertebrate Endocrinology
BIOD29H3 Pathobiology of Human Disease
BIOD32H3 Human Respiratory Pathophysiology
BIOD33H3 Comparative Animal Physiology
BIOD36H3 Advanced Topics in Molecular Parasitology
BIOD43H3 Animal Movement and Exercise
BIOD59H3 Models in Ecology, Epidemiology and Conservation
BIOD65H3 Pathologies of the Nervous System
BIOD95H3 Supervised Study in Biology (topic must be human-related and approved by the program supervisor)
HTLD18H3 Dental Sciences
HLTD44H3 Environmental Contaminants, Vulnerability and Toxicity

Co-op Work Term Requirements
Students must satisfactorily complete Co-op work term(s) as follows: three 4-month work terms, one 4-month work term and one 8-month work term, or one 12-month work term. To be eligible for their first work term, students must be enrolled in the Major (Co-op) Program in Human Biology and have completed at least 7.0 credits, achieve a cumulative GPA of 2.5 or higher, and complete COPB50H3 and COPB51H3.

Students must be available for work terms in each of the Fall, Winter, and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This requires that students take courses during at least one Summer semester.

Co-op Course Requirements
In addition to their academic program requirements, Co-op students complete the following Co-op specific courses as part of their degree:

• Co-op Preparation courses: COPB50H3 and COPB51H3 (completed in first year)
• Work Term Search courses: COPB52H3 (semester prior to first work term), COPC98H3 (semester prior to second work term), and COPC99H3 (semester prior to third work term)
• Co-op Work Term courses: COPC30H3 (each semester a student is on work term)

These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They must be completed in sequence, and fall into three categories: Co-op Preparation courses (COPB50H3 & COPB51H3) are completed in first year, and cover a variety of topics intended to assist students in developing the skills and tools required to secure a work term; Work Term Search Courses (COPB52H3, COPC98H3, & COPC99H3) are completed in the semester prior to each work term, and support students while competing for work terms that are appropriate to their program of study, as well as preparing students for the transition into and how to succeed the workplace; Co-op Work Term courses (COPC30H3) are completed during each semester that a student is on work term, and support students' success while on work term, as well as connecting their academics and the workplace experience.

Co-op courses are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Description:

Academic Program Supervisor~~: S.G. Reid~~ Email: human-biology@utsc.utoronto.ca
Co-op Program Coordinator: C. Dixon Email: coopsuccess.utsc@utoronto.ca

The Major in Human Biology provides training and background in general biology with the opportunity to concentrate on courses in upper years that are related to human health. Upper year courses are available in physiology, cell and molecular biology, anatomy, microbiology, pathology, endocrinology, anthropology, psychology and biochemistry. This program is suitable for students with an interest in applied biology in health sciences or in social sciences related to human health.

The Major (Co-op) in Human Biology program complements and punctuates academic course work with full-time work terms in various governmental or non-governmental agencies, in labs or in public or private industry. These work terms help students define and refine their career and/or professional school goals.

Enrolment Requirements:

Enrolment Requirements
Students apply to the Major (Co-op) in Human Biology after completing a minimum of 4.0 credits, including 1.0 credit in Biology (excluding BIOA11H3, BIOA12H3), 1.0 credit in Chemistry, and 0.5 credit in Mathematics (excluding MATA02H3) or Statistics. A minimum cumulative GPA of 2.5 or higher is required for admission.

Application for admission is made to the Office of the Registrar through ACORN, in April/May and July/August. See the UTSC Office of the Registrar's website for more information on program selection.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits and must meet the minimum qualifications for entry as noted above for this program.

Prospective Co-op Students:
Prospective Co-op students (i.e., those not yet admitted to a Co-op Degree POSt) must submit a program request on ACORN, and meet the minimum qualifications noted above. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in that student's application not being considered.

Description of Proposed Changes:
1. Adding BIOA12H3 as an exclusion for enrolment
2. Adding additional HLT courses to Psychology course bin as options

3. Modifying BIOB90H3 and BIOC90H3 Statements to reflect corequisite changes
4. Adding ANTC47H3, ANTC48H3, BIOC30H3, HTLD18H3, BIOD36H3 as options in bins
5. Editorial changes, adding the course sequence for students to have more transparency for the co-op requirements.

Rationale:

1. BIOA12H3 is designed as an introductory biology course for students that have no biology background. Students taking BIOA12H3 will be excluded if they have completed grade 12 Biology (SBI4U) therefore our Specialist and Major program students will not be eligible to take this course.
2. Our current major only includes Psychology courses, where we have moved our Specialist program to include Health and Society courses. We are adding a similar set of courses for our major program students to provide more breadth related to the function and human health. This will also ensure consistency between the building blocks between the Specialist program and the Major program. This does not modify the learning outcomes of the program.
3. Removing references to the previous corequisites in BIOB90H3 and BIOC90H3 as we have not been able to enforce these corequisites. This is a more student centric approach allowing them flexibility on when to complete this graduation requirement.
4. We are adding additional options at the C and D level (ANTC47H3, ANTC48H3, BIOC30H3, HLTD18H3, BIOD36H3) to give students additional options in the area of human biology related courses.
Impact
5. Editorial changes to reflect changes in course code, course title changes, and moving the academic requirements under the co-op version for transparency in the co-op requirements.

Impact:

1. This change will provide students with greater flexibility and guidelines for their timetables and program completion.
2. Adding these courses will provide students with additional options.
3. Additional Enrolment in Anthropology and Health and Society courses which these units are aware of and approve
Consultation

Consultations:

DCC September 12, 2024
Anthropology Approval of courses added November 7, 2024
DCC Health and Society November 7, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resource Implications:

None

Proposal Status:

Under Review

SCMAJ0220C: MAJOR (CO-OPERATIVE) PROGRAM IN MOLECULAR BIOLOGY, IMMUNOLOGY AND DISEASE (SCIENCE)

Completion Requirements:

~~Students must complete the program requirements as described in the Major in Molecular Biology, Immunology and Disease.~~

Program Requirements:

This program consists of 8.5 credits.

First Year

1. 1.0 Credit of Introductory Biology Courses
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit of Introductory Chemistry Courses
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms or CHMA12H3 Advanced General Chemistry]

3. 0.5 Credit in Mathematics or Statistics
Choose from:
MATA29H3 Calculus I for the Life Sciences
MATA30H3 Calculus I for Physical Sciences
STAB22H3 Statistics I
PSYB07H3 Data Analysis in Psychology

Second Year

4. 2.5 Credits of Biology Core Courses
BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB34H3 Animal Physiology
BIOB50H3 Ecology
BIOB51H3 Evolutionary Biology
BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*
***Note:** Completion of BIOB90H3 is a graduation requirement for students in this program. Please see BIOB90H3 in the Calendar for important information.

5. 0.5 Credit in a Biology Core Lab
BIOB12H3 Cell and Molecular Biology Laboratory

Third/Fourth Years

6. 1.5 Credit of Required C-level Courses
BIOC17H3 Microbiology
BIOC20H3 Principles of Virology
BIOC39H3 Immunology

7. 1.0 Credit of Additional C-level Courses
Choose from:
BIOC10H3 Cell Biology: Proteins from Life to Death

BIOC12H3 Biochemistry I: Proteins & Enzymes
BIOC13H3 Biochemistry II: Bioenergetics and Metabolism
BIOC14H3 Genes, Environment and Behaviour
BIOC15H3 Genetics
BIOC18H3 Looking Inside Cells Current Methods in Cell Biology
BIOC19H3 Animal Developmental Biology
BIOC30H3 From Genetic Codes to Fantastic Creatures
BIOC31H3 Plant Development and Biotechnology
BIOC35H3 Principles of Parasitology
BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*
***Note:** Completion of BIOC90H3 is a graduation requirement for students in this program. Please see BIOC90H3 in the Calendar for important information.

8. 0.5 credit of D-level Biology Courses
Choose from:
BIOD12H3 Protein Homeostasis
BIOD13H3 Herbology: The Science Behind Medicinal Plants
BIOD15H3 Mechanisms of Gene Regulation in Health and Disease
BIOD17H3 Seminars in Cellular Microbiology
BIOD18H3 Practical Approaches in Infection and Immunity
BIOD19H3 Epigenetics in Health and Disease
BIOD20H3 Special Topics in Virology
BIOD23H3 Special Topics in Cell Biology,
BIOD24H3 Human Stem Cell Biology and Regenerative Medicine
BIOD25H3 Genomics
BIOD26H3 Fungal Biology and Pathogenesis
BIOD27H3 Vertebrate Endocrinology
BIOD29H3 Pathobiology of Human Disease
BIOD36H3 Advanced Topics in Molecular Parasitology

Co-op Work Term Requirements
Students must satisfactorily complete Co-op work term(s) as follows: three 4-month work terms, one 4-month work term and one 8-month work term, or one 12-month work term. To be eligible for their first work term, students must be enrolled in the Major (Co-op) in Molecular Biology, Immunology and Disease and have completed at least 7.0 credits, achieve a cumulative GPA of 2.5 or higher, and complete COPB50H3 and COPB51H3.

Students must be available for work terms in each of the Fall, Winter, and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This requires that students take courses during at least one Summer semester.

Co-op Course Requirements
In addition to their academic program requirements, Co-op students complete the following Co-op specific courses as part of their degree:

• Co-op Preparation courses: COPB50H3 and COPB51H3 (completed in first year)
• Work Term Search courses: COPB52H3 (semester prior to first work term), COPC98H3 (semester prior to second work term), and COPC99H3 (semester prior to third work term)
• Co-op Work Term courses: COPC30H3 (each semester a student is on work term)

These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They must be completed in sequence, and fall into three categories: Co-op Preparation courses (COPB50H3 & COPB51H3) are completed in first year, and cover a variety of topics intended to assist students in developing the skills and tools required to secure a work term; Work Term Search Courses (COPB52H3, COPC98H3, & COPC99H3) are completed in the semester prior to each work term, and support students while competing for work terms that are appropriate to their program of study, as well as preparing students for the transition into and how to succeed the workplace; Co-op Work Term courses (COPC30H3) are completed during each semester that a student is on work term, and support students' success while on work term, as well as connecting their academics and the workplace experience.

Co-op courses are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Description:

Academic Program Supervisor Email: molecular-biology-immunology@utsc.utoronto.ca
Co-op Program Coordinator: C. Dixon Email: coopsuccess.utsc@utoronto.ca

This program provides training and background in general biology with the opportunity to concentrate on courses in upper years that are related to immunology, infection and disease. Upper year courses are available in microbiology, immunology, biochemistry and pathobiology of disease. This program is suitable for students with an interest in molecular biology and disease.

Enrolment Requirements:

Enrolment Requirements
Students apply to the Major (Co-op) in Molecular Biology, Immunology and Disease after completing a minimum of 4.0 credits, including 1.0 credit in Biology (excluding BIOA11H3, BIOA12H3), 1.0 credit in Chemistry, and 0.5 credit in Mathematics (excluding MATA02H3) or Statistics. A minimum cumulative GPA of 2.5 or higher is required for admission.

Application for admission is made to the Office of the Registrar through ACORN, in April/May and July/August. See the Office of the Registrar for more information on program selection.

Current Co-op Students:

Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits and must meet the minimum qualifications for entry as noted above for this program.

Prospective Co-op Students:
Prospective Co-op students (i.e., those not yet admitted to a Co-op Degree POSt) must submit a program request on ACORN, and meet the minimum qualifications noted above. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in that student's application not being considered.

Description of Proposed Changes:
1. Adding BIOA12H3 as an exclusion for enrolment
2. Modifying BIOB90H3 and BIOC90H3 Statements to reflect corequisite changes
3. Adding BIOC18H3, BIOC30H3, BIOD18H3, BIOC36H3 as options in C or D level bins
4. Editorial changes: adding the course sequence for students to have more transparency for the co-op requirements.
5. Removing BIOB32H3 and BIOB33H3 as laboratory options.

Rationale:
1. BIOA12H3 is designed as an introductory biology course for students that have no biology background. Students taking BIOA12H3 will be excluded if they have completed grade 12 Biology (SBI4U) therefore our Specialist and Major program students will not be eligible to take this course.
2. Removing references to the previous corequisites in BIOB90H3 and BIOC90H3 as we have not been able to enforce these corequisites. This is a more student centric approach allowing them flexibility on when to complete this graduation requirement.
3. We are adding additional options at the C and D level (BIOC18H3, BIOC30H3, BIOD18H3, BIOC36H3) to give students additional options in the area of human biology related courses.
4. Editorial changes to move the academic requirements under the co-op version for transparency in the co-op requirements and to be consistent with our previous co-op programs.
5. BIOB12H3 is the most consistent lab that fully supports the learning outcomes of the program. We had BIOB32H3 and BIOB33H3 previously listed due to lab capacity issues that have now been resolved where we are able to accommodate all students within the BIOB12H3 core laboratory. BIOB12H3 will greater support students in this program in developing the techniques that are needed for co-op placements in this field.

Impact:
1. This change will provide students with greater flexibility and guidelines for their timetables and program completion.
2. Adding these courses will provide students with additional options and increase transparency between the co-op and non-co-op academic requirements.

Consultations:
DCC September 12, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCMAJ1060C: MAJOR (CO-OPERATIVE) PROGRAM IN PLANT BIOLOGY (SCIENCE)

Completion Requirements:

~~Students must complete the program requirements as described in the Major Program in Plant Biology~~

Program Requirements:
Students are required to complete a total of 8.5 credits.

Required Courses and Suggested Course Sequence:

First Year
1. 1.0 Credit of Introductory Biology Courses
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit of Introductory Chemistry Courses
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms or CHMA12H3 Advanced General Chemistry]

3. 0.5 Credit in Mathematics or Statistics Courses
Choose From:
MATA29H3 Calculus I for the Life Sciences
MATA30H3 Calculus I for Physical Sciences
STAB22H3 Statistics I
PSYB07H3 Data Analysis in Psychology

Second Year
4. 2.5 Credits of Biology Core Courses
BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB38H3 Plants and Society
BIOB50H3 Ecology
BIOB51H3 Evolutionary Biology
BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*
***Note:** Completion of BIOB90H3 is a graduation requirement for students in this program. Please see BIOB90H3 in the Calendar for important information.

5. 0.5 Credit of Biology Core Labs
Choose From:
BIOB12H3 Cell and Molecular Biology Laboratory
BIOB52H3 Ecology and Evolutionary Biology Laboratory

Third Year
6. 1.5 Credits of C-level Plant Courses
BIOC31H3 Plant Development and Biotechnology
BIOC37H3 Plants: Life on the Edge
BIOC40H3 Plant Physiology

Third/ Fourth Year
7. 1.0 Credit of Additional C-level Courses
Choose From:
BIOC12H3 Biochemistry I: Proteins and Enzymes
BIOC13H3 Biochemistry II: Bioenergetics and Metabolism
BIOC15H3 Genetics
BIOC17H3 Microbiology
BIOC30H3 From Genetic Codes to Fantastic Creatures
BIOC35H3 Principles in Parasitology
BIOC50H3 Macroevolution
BIOC52H3 Field Ecology
BIOC61H3 Community Ecology and Environmental Biology
BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*
***Note:** Completion of BIOC90H3 is a graduation requirement for students in this program. Please see BIOC90H3 in the Calendar for important information.

Fourth Year
8. 0.5 Credit of D-level Biology Courses
Choose From:
BIOD12H3 Protein Homeostasis
BIOD13H3 Herbology: The Science Behind Medicinal Plants
BIOD21H3 Advanced Molecular Biology Laboratory
BIOD26H3 Fungal Biology and Pathogenesis
BIOD30H3 Plant Research and Biotechnology: Addressing Global Problems
BIOD36H3 Advanced Topics in Molecular Parasitology
BIOD37H3 Biology of Plant Stress
BIOD62H3 Symbiosis: Interactions Between Species

Note: Students who are interested in research or graduate studies can choose to take BIOC99H3, BIOD95H3, BIOD98Y3 or BIOD99Y3 supervised study courses with faculty to obtain additional research experience and training in plant biology.

Co-op Work Term Requirements
Students must satisfactorily complete Co-op work term(s) as follows: three 4-month work terms, one 4-month work term and one 8-month work term, or one 12-month work term. To be eligible for their first work term, students must be enrolled in the Major (Co-op) Program in Plant Biology and have completed at least 7.0 credits, achieve a cumulative GPA of 2.5 or higher, and complete COPB50H3 and COPB51H3.

Students must be available for work terms in each of the Fall, Winter, and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This requires that students take courses during at least one Summer semester.

Co-op Course Requirements
In addition to their academic program requirements, Co-op students complete the following Co-op specific courses as part of their degree:

• Co-op Preparation courses: COPB50H3 and COPB51H3 (completed in first year)
• Work Term Search courses: COPB52H3 (semester prior to first work term), COPC98H3 (semester prior to second work term), and COPC99H3 (semester prior to third work term)
• Co-op Work Term courses: COPC30H3 (each semester a student is on work term)

These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They must be completed in sequence, and fall into three categories: Co-op Preparation courses (COPB50H3 & COPB51H3) are completed in first year, and cover a variety of topics intended to assist students in developing the skills and tools required to secure a work term; Work Term Search Courses (COPB52H3, COPC98H3, & COPC99H3) are completed in the semester prior to each work term, and support students while competing for work terms that are appropriate to their program of study, as well as preparing students for the transition into and how to succeed the workplace; Co-op Work Term courses (COPC30H3) are completed during each semester that a student is on work term, and support students' success while on work term, as well as connecting their academics and the workplace experience.

Co-op courses are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Description:

Academic Program Supervisor Email: ~~J. Brown~~ plant-biology@utsc.utoronto.ca
Co-op Program Coordinator: C. Dixon Email: coopsuccess.utsc@utoronto.ca

The Major Program in Plant Biology provides a broad education in all areas of contemporary biology and affords students an opportunity to concentrate on Plant Biology courses in upper years. This program is suitable for students with an interest in biochemistry, biotechnology, cell biology, ecology, evolution, genetics, physiology, and/or development of plants.

Enrolment Requirements:

Enrolment Requirements
Students apply to the Major (Co-op) Program in Plant Biology after completing a minimum of 4.0 credits, including 1.0 credit in Biology (excluding

BIOA11H3, BIOA12H3), 1.0 credit in Chemistry, and 0.5 credit in Mathematics (excluding MATA02H3) or Statistics. A minimum cumulative GPA of 2.5 or higher is required for admission.

Application for admission is made to the Office of the Registrar through ACORN, in April/May and July/August. See the Office of the Registrar for more information on program selection.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits and must meet the minimum qualifications for entry as noted above for this program.

Prospective Co-op Students:
Prospective Co-op students (i.e., those not yet admitted to a Co-op Degree POSt) must submit a program request on ACORN, and meet the minimum qualifications noted above. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in that student's application not being considered.

Description of Proposed Changes:
1. Adding BIOA12H3 as an exclusion to enrolment requirements.
2. Add MATA29H3, MATA30H3 to the Mathematics and Statistics bin
3. Modifying BIOB90H3 and BIOC90H3 Statements to reflect corequisite changes
4. Adding BIOC30H3, BIOD36H3 as options in C and D level bins
5. Editorial changes: adding the course sequence for students to have more transparency for the co-op requirements.

Rationale:
1. BIOA12H3 is designed as an introductory biology course for students that have no biology background. Students taking BIOA12H3 will be excluded if they have completed grade 12 Biology (SBI4U) therefore our Specialist and Major program students will not be eligible to take this course.
2. We are adding MATA29H3 and MATA30H3 as options in the Mathematics and Statistics bin to match the enrolment requirements of the program that specify Mathematics as an option. This created an inconsistency with our other major programs that allowed students to have these as options.
3. Removing references to the previous corequisites in BIOB90H3 and BIOC90H3 as we have not been able to enforce these corequisites. This is a more student centric approach allowing them flexibility on when to complete this graduation requirement.
4. We are adding additional options at the C and D level (BIOC30H3, BIOD36H3) to give students additional options at the C and D level.
5. Editorial changes to move the academic requirements under the co-op version for transparency in the co-op requirements.

Impact:
1. This change will provide students with greater flexibility and guidelines for their timetables and program completion.
2. Adding these courses will provide students with additional options and add transparency for co-op students academic requirements.

Consultations:
DCC September 12, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCSPE1150C: SPECIALIST (CO-OPERATIVE) PROGRAM IN CONSERVATION AND BIODIVERSITY (SCIENCE)

Completion Requirements:

Program Requirements:
The program requires students to complete a total of 14.5 credits.

A. Required Courses

First Year
1. 1.0 Credit of Introductory Biology Courses
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit of Introductory Chemistry Courses
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms or CHMA12H3 Advanced General Chemistry]

3. 1.0 Credit in Mathematics
Choose from:
[MATA29H3 Calculus I for the Life Sciences and MATA35H3 Calculus II for Biological Sciences] or
[MATA30H3 Calculus I for Physical Sciences and MATA36H3 Calculus II for Physical Sciences]

4. 0.5 Credit in Physics
Choose from:
PHYA10H3 Physics I for the Physical Sciences
PHYA11H3 Physics I for the Life Sciences

5. 0.5 Credit in Computer Science
Choose from:
CSCA08H3 Introduction to Computer Science I (most appropriate course for Computer Science students)
CSCA20H3 Introduction to Programming (most appropriate course for non-Computer Science students)

Second Year
6. 3.0 Credits of Biology Core Courses
BIOB10H3 Cell Biology

BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB34H3 Animal Physiology
BIOB38H3 Plants and Society
BIOB50H3 Ecology
BIOB51H3 Evolutionary Biology
BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*
***Note:** Completion of BIOB90H3 is a graduation requirement for students in this program. ~~Concurrent enrolment in at least one of the BIO B-level courses listed above is required for enrolment in BIOB90H3.~~ Please see BIOB90H3 in the Calendar for important information.

7. 0.5 Credit of Biology Core Labs
BIOB52H3 Ecology and Evolutionary Biology Laboratory

8. 0.5 Credit in Statistics
Choose from:
STAB22H3 Statistics I
PSYB07H3 Data Analysis in Psychology

Third Year
9. 2.5 Credits of C-level Ecology and Evolution Foundation Courses
BIOC16H3 Evolutionary Genetics and Genomics
BIOC50H3 Macroevolution
BIOC52H3 Field Ecology
BIOC61H3 Community Ecology and Environmental Biology
BIOC63H3 Conservation Biology

Third/Fourth Year
10. 4.0 credits of C- & D-level courses from Bins 1 and 2 below. This must include at least 1.0 credit from each bin and at least 1.0 credit total at the D-level.

Bin 1: C- & D-level Ecology and Evolution Courses
Choose from:
~~BIOC29H3 Introductory Mycology~~
BIOC51H3 Tropical Biodiversity Field Course
BIOC58H3 Biological Consequences of Global Change
BIOC60H3 Winter Ecology
BIOC65H3 Environmental Toxicology
BIOD25H3 Genomics
BIOD52H3 Biodiversity and Conservation
BIOD54H3 Applied Conservation Biology
BIOD55H3 Experimental Animal Behaviour
BIOD59H3 Models in Ecology, Epidemiology and Conservation
BIOD60H3 Spatial Ecology
BIOD62H3 Symbiosis: Interactions Between Species
BIOD63H3 From Individuals to Ecosystems: Advanced Topics in Ecology
BIOD66H3 ~~Causes and Consequences of Biodiversity~~ Quantitative Ecological and Biodiversity Analysis
BIOD67H3 Inter-University Biology Field Course
EESC04H3 Biodiversity and Biogeography

Bin 2: C- & D-level Organismal Biology Courses
Choose from:
BIOC29H3 Introductory Mycology
BIOC30H3 From Genetic Codes to Fantastic Creatures
BIOC37H3 Plants: Life on the Edge
BIOC40H3 Plant Physiology
BIOC54H3 Animal Behaviour
BIOC59H3 Advanced Population Ecology
BIOC62H3 Role of Zoos and Aquariums in Conservation
BIOC70H3 An Introduction to Bias in STEMM (Science, Technology, Engineering, Mathematics and Medicine)
BIOD26H3 Fungal Biology & Pathogenesis
BIOD34H3 Conservation Physiology
BIOD37H3 Biology of Plant Stress
BIOD43H3 Animal Movement and Exercise
BIOD45H3 Animal Communication
BIOD48H3 Ornithology
BIOD53H3 Special Topics in Animal Behaviour
BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*
EESC30H3 Environmental Microbiology
***Note:** Completion of BIOC90H3 is a graduation requirement for students in this program. ~~Concurrent enrolment in one of the participating BIO C-level courses is required for enrolment in BIOC90H3~~. Please see BIOC90H3 in the Calendar for important information.

B. Senior Research Courses (optional)
Students interested in graduate research are encouraged to take one or more of the independent research courses offered in Biological Sciences as part of their degree.
BIOD95H3 Supervised Study in Biology
BIOD98Y3 Directed Research in Biology
BIOD99Y3 Directed Research in Biology

Co-op Work Term Requirements

Students must satisfactorily complete Co-op work term(s) as follows: three 4-month work terms, one 4-month work term and one 8-month work term, or one 12-month work term. To be eligible for their first work term, students must be enrolled in the Specialist (Co-op) Program in Conservation and Biodiversity and have completed at least 7.0 credits, achieve a cumulative GPA of 2.5 or higher, and complete COPB50H3 and COPB51H3.

Students must be available for work terms in each of the Fall, Winter, and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This requires that students take courses during at least one Summer semester.

Co-op Course Requirements
In addition to their academic program requirements, Co-op students complete the following Co-op specific courses as part of their degree:

• Co-op Preparation courses: COPB50H3 and COPB51H3 (completed in first year)
• Work Term Search courses: COPB52H3 (semester prior to first work term), COPC98H3 (semester prior to second work term), and COPC99H3 (semester prior to third work term)
• Co-op Work Term courses: COPC30H3 (each semester a student is on work term)

These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They must be completed in sequence, and fall into three categories: Co-op Preparation courses (COPB50H3 & COPB51H3) are completed in first year, and cover a variety of topics intended to assist students in developing the skills and tools required to secure a work term; Work Term Search Courses (COPB52H3, COPC98H3, & COPC99H3) are completed in the semester prior to each work term, and support students while competing for work terms that are appropriate to their program of study, as well as preparing students for the transition into and how to succeed the workplace; Co-op Work Term courses (COPC30H3) are completed during each semester that a student is on work term, and support students' success while on work term, as well as connecting their academics and the workplace experience.

Co-op courses are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Enrolment Requirements:

Enrolment Requirements
Students apply to the Co-op Specialist Program in Conservation and Biodiversity after completing a minimum of 4.0 credits, including 1.0 credit in Biology (excluding BIOA11H3, BIOA12H3), 1.0 credit in Chemistry, and 0.5 credit in Mathematics (excluding MATA02H3) or Statistics and with a minimum cumulative grade point average (CGPA) of at least 2.5.

Application for admission is made to the Office of the Registrar through ACORN, in April/May and July/August. See the Office of the Registrar for more information on program selection.

Current Co-op Students:
Students admitted to a Co-op Degree Program in their first year of study (i.e., Life Sciences Co-op) may request this Co-op Subject POSt on ACORN only after completion of 4.0 credits; in addition, students must meet the minimum enrolment requirements for entry as noted above for this program. ~~Students must also submit a formal application to the department to be considered for the program. This includes a one-page statement for why they are suitable candidates to take the program. Short-listed students will be invited to an oral interview to determine interest and eligibility.~~

Prospective Co-op Students:
Prospective Co-op students (i.e., those not yet admitted to a Co-op Degree POSt) must submit a program request on ACORN, and meet the minimum qualifications noted above. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in that student's application not being considered. ~~Students must also submit a formal application to the department to be considered for the program. This includes a one-page statement for why they are suitable candidates to take the program. Short-listed students will be invited to an oral interview to determine interest and eligibility.~~

Description of Proposed Changes:
1. Adding BIOA12H3 to enrolment exclusions
2. Refinement of language in Enrolment Requirements
3. Removing corequisite note for BIOB90H3 and BIOC90H3
4. Adding BIOC30H3 and BIOC70H3 as additional C levels
5. Moving BIOC29H3 to the correct bin
6. Editorial Course Title changes for BIOC70H3 and BIOD66H3

Rationale:
1.. BIOA12H3 is designed as an introductory biology course for students that have no biology background. Students taking BIOA12H3 will be excluded if they have completed grade 12 Biology (SBI4U) therefore our Specialist and Major program students will not be eligible to take this course.
2. 1. Refinement of language in Enrolment Requirements to ensure consistency across Co-op programs in the department.
3. Removing references to the previous corequisites in BIOB90H3 and BIOC90H3 as we have not been able to enforce these corequisites. This is a more student centric approach allowing them flexibility on when to complete this graduation requirement.
4. We are adding BIOC30H3 and BIOC70H3 as an additional C level to give students additional options.
5. BIOC29H3 was put in the incorrect bin for the co-op option. It is an organismal biology course, not ecology and evolutionary biology.
6. Changing the titles for BIOC70H3 and BIOD66H3 to reflect the changes proposed for each course.

Impact:
1. This change will provide students with greater flexibility and guidelines for their timetables and program completion.
2. Adding these courses will provide students with additional options.

Consultations:
DCC September 12, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resource Implications:
None

Proposal Status:

Under Review

SCSPE0215C: SPECIALIST (CO-OPERATIVE) PROGRAM IN HUMAN BIOLOGY (SCIENCE)

Completion Requirements:

~~Students must complete the program requirements as described in the Specialist in Human Biology~~

Program Requirements

This Program consists of 15.0 credits.

Required Courses and Suggested Course Sequence

First Year

1. 1.0 credit in Introductory Biology Courses
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 credit in Introductory Chemistry Courses
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms or CHMA12H3 Advanced General Chemistry]

3. 1.0 credit in Mathematics
[MATA29H3 Calculus I for the Life Sciences or MATA30H3 Calculus I for Physical Sciences]
and
[MATA35H3 Calculus II for Biological Sciences or MATA36H3 Calculus II for Physical Sciences]

4. 1.0 credit in Introductory Physics Courses
[PHYA10H3 Physics I for the Physical Sciences or PHYA11H3 Physics I for the Life Sciences]
[PHYA21H3 Physics II for the Physical Sciences or PHYA22H3 Physics II for the Life Sciences]

5. 0.5 credit in Statistics
Choose From:
STAB22H3 Statistics I
PSYB07H3 Data Analysis in Psychology

Second Year

6. 3.0 credits in Biology Core Courses
BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB34H3 Animal Physiology
BIOB38H3 Plants and Society
BIOB50H3 Ecology
BIOB51H3 Evolutionary Biology
BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOB90H3 is a graduation requirement for students in this program. Please see BIOB90H3 in the Calendar for important information.

7. 1.0 credit in Biology Core Labs
BIOB32H3 Animal Physiology Laboratory
BIOB33H3 Human Development and Anatomy

8. 1.0 credit in Organic Chemistry Courses
CHMB41H3 Organic Chemistry I
CHMB42H3 Organic Chemistry II

Third/Fourth Years

9. 2.5 credits in C-level Biology Core Courses
Choose From:
BIOC15H3 Genetics
BIOC17H3 Microbiology
BIOC20H3 Principles of Virology
BIOC32H3 Human Physiology I
BIOC34H3 Human Physiology II
BIOC39H3 Immunology

10. 1.5 credits in Additional C-level Biology Courses
Choose From:
ANTC47H3 Human and Primate Comparative Osteology
ANTC48H3 Advanced Topics In Human Osteology
BIOC10H3 Cell Biology: Proteins from Life to Death
BIOC12H3 Biochemistry I: Proteins and Enzymes
BIOC13H3 Biochemistry II: Bioenergetics and Metabolism
BIOC14H3 Genes, Environment and Behaviour
BIOC16H3 Evolutionary Genetics and Genomics
BIOC18H3 Looking Inside Cells Current Methods in Cell Biology
BIOC19H3 Animal Developmental Biology
BIOC21H3 Vertebrate Histology: Cells and Tissues
BIOC30H3 From Genetic Codes to Fantastic Creatures
BIOC35H3 Principles of Parasitology
BIOC40H3 Plant Physiology

BIOC58H3 Biological Consequences of Global Change
BIOC65H3 Environmental Toxicology
BIOC70H3 An Introduction to Bias in STEMM (Science, Technology, Engineering, Mathematics and Medicine)
BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOC90H3 is a graduation requirement for students in this program. Please see BIOC90H3 in the Calendar for important information.

11. 1.0 credit in D-level Courses
Choose From:
BIOD06H3 Advanced Topics in Neural Basis of Motor Control
BIOD07H3 Advanced Topics and Methods in Neural Circuit Analysis
BIOD12H3 Protein Homeostasis
BIOD13H3 Herbology: The Science Behind Medicinal Plants
BIOD15H3 Mechanisms of Gene Regulation in Health and Disease
BIOD17H3 Seminars in Cellular Microbiology
BIOD18H3 Practical Approaches in Infection and Immunity
BIOD19H3 Epigenetics in Health and Disease
BIOD20H3 Special Topics in Virology
BIOD24H3 Human Stem Cell Biology and Regenerative Medicine
BIOD25H3 Genomics
BIOD26H3 Fungal Biology and Pathogenesis
BIOD27H3 Vertebrate Endocrinology
BIOD29H3 Pathobiology of Human Disease
BIOD32H3 Human Respiratory Pathophysiology
BIOD33H3 Comparative Animal Physiology
BIOD34H3 Conservation Physiology
BIOD36H3 Advanced Topics in Molecular Parasitology
BIOD37H3 Biology of Plant Stress
BIOD43H3 Animal Movement and Exercise
BIOD59H3 Models in Ecology, Epidemiology and Conservation
BIOD65H3 Pathologies of the Nervous System
HTLD18H3 Dental Sciences
HLTD44H3 Environmental Contaminants, Vulnerability and Toxicity

12. 0.5 credit in Psychology or Health Studies
Choose From:
HLTA02H3 Foundations in Health Studies I
HLTA03H3 Foundations in Health Studies II
HLTB15H3 Introduction to Health Research Methodology
HLTB16H3 Introduction to Public Health
HLTB20H3 Contemporary Human Evolution and Variation
HLTB22H3 Biological Determinants of Health
HLTB40H3 Health Policy and Health Systems
HLTB44H3 Pathophysiology and Etiology of Disease
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

Co-op Work Term Requirements
Students must satisfactorily complete Co-op work term(s) as follows: three 4-month work terms, one 4-month work term and one 8-month work term, or one 12-month work term. To be eligible for their first work term, students must be enrolled in the Specialist (Co-op) in Human Biology and have completed at least 7.0 credits, achieve a cumulative GPA of 2.5 or higher, and complete COPB50H3 and COPB51H3.

Students must be available for work terms in each of the Fall, Winter, and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This requires that students take courses during at least one Summer semester.

Co-op Course Requirements
In addition to their academic program requirements, Co-op students complete the following Co-op specific courses as part of their degree:

• Co-op Preparation courses: COPB50H3 and COPB51H3 (completed in first year)
• Work Term Search courses: COPB52H3 (semester prior to first work term), COPC98H3 (semester prior to second work term), and COPC99H3 (semester prior to third work term)
• Co-op Work Term courses: COPC30H3 (each semester a student is on work term)

These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They must be completed in sequence, and fall into three categories: Co-op Preparation courses (COPB50H3 & COPB51H3) are completed in first year, and cover a variety of topics intended to assist students in developing the skills and tools required to secure a work term; Work Term Search Courses (COPB52H3, COPC98H3, & COPC99H3) are completed in the semester prior to each work term, and support students while competing for work terms that are appropriate to their program of study, as well as preparing students for the transition into and how to succeed the workplace; Co-op Work Term courses (COPC30H3) are completed during each semester that a student is on work term, and support students' success while on work term, as well as connecting their academics and the workplace experience.

Co-op courses are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Enrolment Requirements:

Enrolment Requirements
Students apply to the Specialist (Co-op) in Human Biology after completing a minimum of 4.0 credits, including 1.0 credit in Biology (excluding BIOA11H3, BIOA12H3), 1.0 credit in Chemistry, and 0.5 credit in Mathematics (excluding MATA02H3) or Statistics and with a minimum cumulative grade point average (CGPA) of at least 2.5.

Application for admission is made to the Office of the Registrar through ACORN, in April/May and July/August. See the Office of the Registrar for more information on program selection

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits and must meet the minimum qualifications for entry as noted above for this program.

Prospective Co-op Students:
Prospective Co-op students (i.e., those not yet admitted to a Co-op Degree POSt) must submit a program request on ACORN, and meet the minimum qualifications noted above. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in that student's application not being considered.

Description of Proposed Changes:
1.Adding BIOA12H3 to enrolment exclusions
2. Refinement of language in Enrolment Requirements
3. Adding PHYA10H3 and PHYA21H3 as options
4. Removing corequisite note for BIOB90H3 and BIOC90H3
5. Adding ANTC47H3, ANTC48H3, BIOC18H3, BIOC30H3, BIOD18H3, BIOD34H3, BIOD36H3, HLTB44H3, and HLTD18H3 as options in bins
6. Removing HLTB17H3, HLTB21H3 and BIOD35H3 as options
7. Editorial Course Title change for BIOC70H3 and adding the course sequence for students to have more transparency for the co-op requirements.

Rationale:
1. BIOA12H3 is designed as an introductory biology course for students that have no biology background. Students taking BIOA12H3 will be excluded if they have completed grade 12 Biology (SBI4U) therefore our Specialist and Major program students will not be eligible to take this course.
2. Refinement of language in Enrolment Requirements to ensure consistency across Co-op programs in the department.
3. We are adding PHYA10H3 and PHYA21H3 as options to have consistency between our Specialist Programs that require both Physics I and Physics II. This will also ensure there are additional options for students to move within programs in the department.
4. Removing references to the previous corequisites in BIOB90H3 and BIOC90H3 as we have not been able to enforce these corequisites. This is a more student centric approach allowing them flexibility on when to complete this graduation requirement.
5. We are adding additional options at the C and D level (ANTC47H3, ANTC48H3, BIOC18H3, BIOC30H3, BIOD18H3, BIOD34H3, BIOD36H3, HLTD18H3, HLTB44H3) to give students additional options in the area of human biology related courses. These changes do not modify the learning outcomes of the program.
6. We are also removing HLTB17H3, HLTB21H3 and BIOD35H3 as these courses are all retired and have not been offered in quite a long time.
7. Changing the title for BIOC70H3 to reflect the title change proposed.

Impact:
1. This change will provide students with greater flexibility and guidelines for their timetables and program completion.
2. Adding these courses will provide students with additional options.
3. Adding the Anthropology C levels may lead to increases in enrolment for these courses.

Consultations:
DCC September 12, 2024
Anthropology Approval of courses added November 7, 2024
DCC Health and Society November 7, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCSPE1030M: SPECIALIST (CO-OPERATIVE) PROGRAM IN INTEGRATIVE BIOLOGY (SCIENCE)

Completion Requirements:

~~Students must complete the program requirements as described in the Specialist in Integrative Biology~~
Program Requirements:
This program consists of 14.5 required credits.

First Year
1. 1.0 Credit of Introductory Biology Courses
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit of Introductory Chemistry Courses
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms or CHMA12H3 Advanced General Chemistry]

3. 1.0 Credit in Mathematics
Choose from:
[MATA29H3 Calculus I for the Life Sciences or MATA30H3 Calculus I for Physical Sciences]
and
[MATA35H3 Calculus II for Biological Sciences or MATA36H3 Calculus II for Physical Sciences]

4. 0.5 Credit in Physics
Choose from:

PHYA10H3 Physics I for the Physical Sciences
PHYA11H3 Physics I for the Life Sciences

5. 0.5 Credit in Computer Science
Choose from:
CSCA08H3 Introduction to Computer Science I (most appropriate course for computer science students)
CSCA20H3 Introduction to Programming (most appropriate course for non-computer science students)

Second Year
6. 3.0 Credits of Biology Core Course
BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB34H3 Animal Physiology
BIOB38H3 Plants and Society
BIOB50H3 Ecology
BIOB51H3 Evolutionary Biology
BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*
***Note:** Completion of BIOB90H3 is a graduation requirement for students in this program. Please see BIOB90H3 in the Calendar for important information.

7. 0.5 Credit of Biology Core Labs
Choose from:
BIOB12H3 Cell and Molecular Biology Laboratory
BIOB32H3 Animal Physiology Laboratory
BIOB33H3 Human Development and Anatomy
BIOB52H3 Ecology and Evolutionary Biology Laboratory

8. 0.5 Credit in Statistics
Choose from:
STAB22H3 Statistics I
PSYB07H3 Data Analysis in Psychology

Third/Fourth Year
9. 2.5 Credits of Biology Foundation Courses
BIOC15H3 Genetics
BIOC17H3 Microbiology
[BIOC37H3 Plants: Life on the Edge or BIOC40H3 Plant Physiology]
BIOC54H3 Animal Behaviour
BIOC61H3 Community Ecology

10. 1.0 Credit of Advanced Courses in Cellular and Organismal Biology
Choose from:
BIOC12H3 Biochemistry I: Proteins and Enzymes
BIOC13H3 Biochemistry II: Bioenergetics and Metabolism
BIOC18H3 Looking Inside Cells Current Methods in Cell Biology
BIOC20H3 Principles of Virology
BIOC21H3 Vertebrate Histology: Cells and Tissues
BIOC23H3 Practical Approaches to Biochemistry
BIOC29H3 Introductory Mycology
BIOC30H3 From Genetic Codes to Fantastic Creatures
BIOC32H3 Human Physiology I
BIOC34H3 Human Physiology II
[BIOC37H3 Plants: Life on the Edge or BIOC40H3 Plant Physiology; whichever course is not used to fulfill Biology Foundation course requirement]
BIOC39H3 Immunology
BIOC65H3 Environmental Toxicology
BIOC70H3 An Introduction to Bias in STEMM (Science, Technology, Engineering, Mathematics and Medicine)
BIOC44H3 Neuroethology

11. 1.0 Credit of Advanced Courses in Ecology and Conservation
Choose from:
BIOC50H3 Macroevolution
BIOC51H3 Tropical Biodiversity Field Course
BIOC52H3 Ecology Field Course
BIOC58H3 Biological Consequences of Global Change
BIOC59H3 Advanced Population Ecology
BIOC60H3 Winter Ecology
BIOC62H3 Role of Zoos and Aquariums in Conservation
BIOC63H3 Conservation Biology
(BIOC67H3) Inter-University Biology Field Course
EESC04H3 Biodiversity and Biogeography

12. 1.0 Credit of Advanced Courses in Genes and Development
Choose from:
BIOC10H3 Cell Biology: Proteins from Life to Death
BIOC14H3 Genes, Environment and Behaviour
BIOC16H3 Evolutionary Genetics and Genomics
BIOC19H3 Animal Developmental Biology

BIOC31H3 Plant Development and Biotechnology
BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOC90H3 is a graduation requirement for students in this program. Please see BIOC90H3 in the Calendar for important information.

13. 1.0 Credit of D-Level Biology Courses
Choose from:
Any BIO D-level course offered by the Biological Sciences department.

Co-op Work Term Requirements
Students must satisfactorily complete Co-op work term(s) as follows: three 4-month work terms, one 4-month work term and one 8-month work term, or one 12-month work term. To be eligible for their first work term, students must be enrolled in the Specialist (Co-op) Program in Integrative Biology and have completed at least 7.0 credits, achieve a cumulative GPA of 2.5 or higher, and complete COPB50H3 and COPB51H3.

Students must be available for work terms in each of the Fall, Winter, and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This requires that students take courses during at least one Summer semester.

Co-op Course Requirements
In addition to their academic program requirements, Co-op students complete the following Co-op specific courses as part of their degree:

• Co-op Preparation courses: COPB50H3 and COPB51H3 (completed in first year)
• Work Term Search courses: COPB52H3 (semester prior to first work term), COPC98H3 (semester prior to second work term), and COPC99H3 (semester prior to third work term)
• Co-op Work Term courses: COPC30H3 (each semester a student is on work term)

These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They must be completed in sequence, and fall into three categories: Co-op Preparation courses (COPB50H3 & COPB51H3) are completed in first year, and cover a variety of topics intended to assist students in developing the skills and tools required to secure a work term; Work Term Search Courses (COPB52H3, COPC98H3, & COPC99H3) are completed in the semester prior to each work term, and support students while competing for work terms that are appropriate to their program of study, as well as preparing students for the transition into and how to succeed the workplace; Co-op Work Term courses (COPC30H3) are completed during each semester that a student is on work term, and support students' success while on work term, as well as connecting their academics and the workplace experience.

Co-op courses are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Enrolment Requirements:

Enrolment Requirements
Students apply to the Specialist (Co-op) in Integrative Biology after completing a minimum of 4.0 credits, including 1.0 credit in Biology (excluding BIOA11H3, BIOA12H3), 1.0 credit in Chemistry, and 0.5 credit in Mathematics (excluding MATA02H3) or Statistics. A minimum cumulative grade point average (CGPA) of at least 2.5 or higher is required for admission.

Application for admission is made to the Office of the Registrar through ACORN, in April/May and July/August. See the Office of the Registrar for more information on program selection.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits and must meet the minimum qualifications for entry as noted above for this program.

Prospective Co-op Students:
Prospective Co-op students (i.e., those not yet admitted to a Co-op Degree POSt) must submit a program request on ACORN, and meet the minimum qualifications noted above. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in that student's application not being considered.

Description of Proposed Changes:
1. Adding BIOA12H3 as an exclusion for enrolment
2. Modifying BIOB90H3 and BIOC90H3 Statements to reflect corequisite changes
3. Adding BIOC18H3, BIOC30H3, BIOD18H3 as options in bins
4. Editorial changes: NROC34H3 course code change to BIOC44H3, title change for BIOC70H3, adding the course sequence for students to have more transparency for the co-op requirements.

Rationale:
1. BIOA12H3 is designed as an introductory biology course for students that have no biology background. Students taking BIOA12H3 will be excluded if they have completed grade 12 Biology (SBI4U) therefore our Specialist and Major program students will not be eligible to take this course.
2. Removing references to the previous corequisites in BIOB90H3 and BIOC90H3 as we have not been able to enforce these corequisites. This is a more student centric approach allowing them flexibility on when to complete this graduation requirement.
3. We are adding additional options at the C and D level (BIOC18H3, BIOC30H3) to give students additional options in the area of human biology related courses.
4. Editorial changes to reflect changes in course code, course title changes, and moving the academic requirements under the co-op version for transparency in the co-op requirements.

Impact:
1. This change will provide students with greater flexibility and guidelines for their timetables and program completion.
2. Adding these courses will provide students with additional options.

Consultations:
DCC September 12, 2024
DCC Psychology October 10, 2024

Registrar's Office (Lindsey Taylor) February 28, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCSPE1203C: SPECIALIST (CO-OPERATIVE) PROGRAM IN MOLECULAR BIOLOGY AND BIOTECHNOLOGY (SCIENCE)

Completion Requirements:

Program Requirements
The program requires students to complete a total of 14.5 credits.

First Year
1. 1.0 Credit of Introductory Biology Courses
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit of Introductory Chemistry Courses
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry I: Reactions and Mechanisms or CHMA12H3 Advanced General Chemistry]

3. 1.0 Credit in Mathematics
Choose from:
[MATA29H3 Calculus I for the Life Sciences or MATA30H3 Calculus I for Physical Sciences]
and
[MATA35H3 Calculus II for Biological Sciences or MATA36H3 Calculus II for Physical Sciences]

4. 1.0 Credit in Physics
[PHYA10H3 Physics I for the Physical Sciences or PHYA11H3 Physics I for the Life Sciences]
[PHYA21H3 Physics II for the Physical Sciences or PHYA22H3 Physics II for the Life Sciences]

5. 0.5 Credit in Statistics
Choose from:
STAB22H3 Statistics I (this course could also be taken in the second year)
PSYB07H3 Data Analysis in Psychology (this course could also be taken in the second year)

Second Year
6. 3.0 Credits of Biology Core Courses
BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB34H3 Animal Physiology
BIOB38H3 Plants and Society
BIOB50H3 Ecology
BIOB51H3 Evolutionary Biology
BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOB90H3 is a graduation requirement for students in this program. ~~Concurrent enrolment in at least one of the BIO B-level courses listed above is required for enrolment in BIOB90H3.~~ Please see BIOB90H3 in the Calendar for important information.

7. 0.5 Credit of Biology Core Labs
BIOB12H3 Cell and Molecular Biology Laboratory

8. 1.0 Credit of Organic Chemistry Courses
CHMB41H3 Organic Chemistry I
CHMB42H3 Organic Chemistry II
Note: Computer Science might be taken in this year and will enhance Co-op placement options.

Third Year
9. 3.5 Credits of Biology C-level Courses
BIOC12H3 Biochemistry I: Proteins and Enzymes
BIOC13H3 Biochemistry II: Bioenergetics and Metabolism
BIOC15H3 Genetics
BIOC17H3 Microbiology
BIOC20H3 Principles of Virology
BIOC23H3 Practical Approaches to Biochemistry
BIOC39H3 Immunology (can be completed in third or fourth year)

10. 0.5 Credit in Computer Science
Choose from:
CSCA08H3 Introduction to Computer Science I (most appropriate course for computer science students)
CSCA20H3 Introduction to Programming (most appropriate course for non-computer science students)

Third/Fourth Year
11. 0.5 Credit of Cognate Biology Courses
Choose from:
BIOC10H3 Cell Biology: Proteins from Life to Death
BIOC14H3 Genes, Environment and Behaviour
BIOC18H3 Looking Inside Cells Current Methods in Cell Biology

BIOC19H3 Animal Developmental Biology
BIOC21H3 Vertebrate Histology: Cells and Tissues
BIOC30H3 From Genetic Codes to Fantastic Creatures
BIOC31H3 Plant Development and Biotechnology
BIOC35H3 Principles of Parasitology
BIOC40H3 Plant Physiology
BIOC70H3 An Introduction to Bias in ~~the~~STEMM (Science~~s~~, Technology, Engineering, Mathematics and Medicine)
BIOD37H3 Biology of Plant Stress
BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*
***Note**: Completion of BIOC90H3 is a graduation requirement for students in this program. ~~Concurrent enrolment in one of the participating BIO C-level courses is required for enrolment in BIOC90H3.~~ Please see BIOC90H3 in the Calendar for important information.

Fourth Year
12. 0.5 Credit in Advanced Molecular Techniques
BIOD21H3 Advanced Molecular Biology Laboratory

13. 0.5 Credit of D-level Research-Oriented "Cell & Molecular" Course Work
Choose from:
BIOD12H3 Protein Homeostasis
BIOD13H3 Herbology: The Science Behind Medicinal Plants
BIOD15H3 Mechanisms of Gene Regulation in Health and Disease
BIOD17H3 Seminars in Cellular Microbiology
BIOD18H3 Practical Approaches in Infection and Immunity
BIOD19H3 Epigenetics in Health and Disease
BIOD20H3 Special Topics in Virology
BIOD22H3 Molecular Biology of the Stress Response
BIOD23H3 Special Topics in Cell Biology
BIOD24H3 Human Stem Cell Biology and Regenerative Medicine
BIOD25H3 Genomics
BIOD26H3 Fungal Biology and Pathogenesis
BIOD27H3 Vertebrate Endocrinology
BIOD29H3 Pathobiology of Human Disease
BIOD30H3 Plant Research and Biotechnology: Addressing Global Problems
BIOD36H3 Advanced Topics in Molecular Parasitology
BIOD95H3 Supervised Study in Biology
BIOD98Y3 Directed Research in Biology
Note: Any of these courses not used to satisfy this requirement can be used to fulfill the '0.5 credit of Cognate Biology Courses.'

Co-op Work Term Requirements

Students must satisfactorily complete Co-op work term(s) as follows: three 4-month work terms, one 4-month work term and one 8-month work term, or one 12-month work term. To be eligible for their first work term, students must be enrolled in the Specialist (Co-op) Program in Molecular Biology and Biotechnology and have completed at least 7.0 credits, achieve a cumulative GPA of 2.5 or higher, and complete COPB50H3 and COPB51H3. Completion of BIOB10H3, BIOB11H3, BIOB12H3, CHMB41H3 and CHMB42H3 are strongly recommended prior to second work term.

Students must be available for work terms in each of the Fall, Winter and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This requires that students take courses during at least one Summer semester.

Co-op Course Requirements
In addition to their academic program requirements, Co-op students complete the following Co-op specific courses as part of their degree:

• Co-op Preparation courses: COPB50H3 and COPB51H3 (completed in first year)
• Work Term Search courses: COPB52H3 (semester prior to first work term), COPC98H3 (semester prior to second work term), and COPC99H3 (semester prior to third work term)
• Co-op Work Term courses: COPC30H3 (each semester a student is on work term)

These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They must be completed in sequence, and fall into three categories: Co-op Preparation courses (COPB50H3 & COPB51H3) are completed in first year, and cover a variety of topics intended to assist students in developing the skills and tools required to secure a work term; Work Term Search Courses (COPB52H3, COPC98H3, & COPC99H3) are completed in the semester prior to each work term, and support students while competing for work terms that are appropriate to their program of study, as well as preparing students for the transition into and how to succeed the workplace; Co-op Work Term courses (COPC30H3) are completed during each semester that a student is on work term, and support students' success while on work term, as well as connecting their academics and the workplace experience.

Co-op courses are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Enrolment Requirements:

Enrolment Requirements
Students apply to the Specialist Program in Molecular Biology and Biotechnology after completing a minimum of 4.0 credits, including 1.0 credit in Biology (excluding BIOA11H3, BIOA12H3), 1.0 credit in Chemistry, and 0.5 credit in Mathematics (excluding MATA02H3) or Statistics and with a minimum cumulative grade point average (CGPA) of at least 2.5

Application for admission is made to the Office of the Registrar through ACORN, in April/May and July/August. See the Office of the Registrar for more information on program selection.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits and must meet the minimum qualifications for entry as noted above for this program.

Prospective Co-op Students:
Prospective Co-op students (i.e., those not yet admitted to a Co-op Degree POSt) must submit a program request on ACORN, and meet the minimum qualifications noted above. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in that student's application not being considered.

Description of Proposed Changes:
1. Adding BIOA12H3 as an exclusion for enrolment
2. Refinement of language in Enrolment Requirements
2. Modifying BIOB90H3 and BIOC90H3 Statements to reflect corequisite changes
3. Adding BIOC18H3, BIOC30H3, BIOD18H3, BIOD36H3 as options in bins
4. Editorial changes to BIOC70H3 course title

Rationale:
1. BIOA12H3 is designed as an introductory biology course for students that have no biology background. Students taking BIOA12H3 will be excluded if they have completed grade 12 Biology (SBI4U) therefore our Specialist and Major program students will not be eligible to take this course.
2. Refinement of language in Enrolment Requirements to ensure consistency across Co-op programs in the department.
2. We are clarifying the language surrounding BIOB90H3 and BIOC90H3 to create a more streamlined and transparent approach for students. This will simplify their understanding regarding the role of BIOB90H3 and BIOC90H3 as far as program requirements.
3. We are adding additional C and D level options (BIOC18H3, BIOC30H3, BIOD18H3, BIOD36H3) to give students additional options in cognate Biology courses and Cell and Molecular related course work.
4. Adding the correct title for BIOC70H3 per course revision submission

Impact:
1. This change will provide students with greater flexibility and guidelines for their timetables and program completion.
2. Adding these courses will provide students with additional options.

Consultations:
DCC September 12, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resource Implications:
None

Proposal Status:
Under Review

13 Course Modifications

BIOA01H3: Life on Earth: Unifying Principles

Prerequisites:
[Grade 12 Biology or BIOA11H3 or BIOA12H3] and [Grade 12 Advanced Functions or Grade 12 Calculus and Vectors or Grade 12 Data Management or the Online Mathematics Preparedness Course]

Rationale:
We are adding BIOA12H3 as an additional gateway for students who have not already completed grade 12 Biology.

Consultation:
DCC September 12, 2024

Resources:
None

Proposal Status:
Under Review

BIOA02H3: Life on Earth: Form, Function and Interactions

Prerequisites:
[Grade 12 Biology or BIOA11H3 or BIOA12H3] and [Grade 12 Advanced Functions or Grade 12 Calculus and Vectors or Grade 12 Data Management or the Online Mathematics Preparedness Course]

Exclusions:
~~BIO120H, BIO130H,~~ (BIO150Y)

Rationale:
1. We are adding BIOA12H3 as an additional gateway for students who have not already completed grade 12 Biology.
2. Removing the exclusions for BIO120H1 and BIO130H1 as these exclusions were originally implemented in an attempt to ensure students completed all first year biology courses on one campus. We are making this change to move more in line with the course content covered in BIOA02H3 where the overlap is closer to 40%.

Consultation:
DCC September 12, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resources:
None

Proposal Status:
Under Review

BIOA11H3: Introduction to the Biology of Humans

Exclusions:

BIOA01H3, BIOA02H3, BIOA12H3, CSB201H1

Notes:

(1) Priority will be given to students in the Major / Major Co-op in ~~Health Studies~~ Population Health. Students across all disciplines will be admitted if space permits.
(2) Students who have passed BIOA11H3 will be permitted to take BIOA01H3 and BIOA02H3.

Rationale:

We are adding an exclusion to our new course BIOA12H3. The material in BIOA11H3 overlaps the content covered in BIOA12H3 as they are both gateway courses designed for non-science majors. BIOA11H3 was originally designed for Health and Society program students and BIOA12H3 is being designed for Psychology program students. While the departments differ on some of the content in each course there is significant overlap.

Consultation:

DCC September 12, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resources:

None

Proposal Status:

Under Review

BIOC70H3: An Introduction to Bias in the Sciences

Title:

An Introduction to Bias in ~~the Sciences~~STEMM (Science, Technology, Engineering, Mathematics and Medicine)

Description:

~~Research and practice in the sciences often rests on the unquestioned assertion of impartial analyses of facts. This course will take a data-informed approach to understanding how human biases can, and have, affected progress in the sciences in general, and in biology in particular. Case studies may include reviews of how science has been used to justify or sustain racism, colonialism, slavery, and the exploitation of marginalized groups. Links will be drawn to contemporary societal challenges and practices. Topics will include how biases can shape science in terms of those doing the research, the questions under study, and the types of knowledge that inform practice and teaching. Data on bias and societal costs of bias will be reviewed, as well as evidence-informed practices, structures, and individual actions which could ensure that science disrupts, rather than enables, social inequities.~~
Research, teaching, and practice in science, technology, engineering, mathematics and medicine (STEMM) often rest on the unquestioned assertion of the impartial analyses of facts. This course will take a data-informed approach to understanding how human biases can, and have, affected science and its applications in a range of fields, with a particular focus on biology. Case studies may include reviews of how science has been used to justify or sustain racism, colonialism, enslavement, and the exploitation of marginalized groups. Links will be drawn to contemporary societal challenges, practices, and technologies. Topics will include how biases can shape science in terms of the questions under study, scientific inferences, and the types of knowledge and assumptions that inform applications, shape teaching, and influence popular understanding. Data on bias and societal costs of bias will be reviewed, as well as evidence-informed practices, structures, and individual actions which could ensure that STEMM disrupts, rather than enables, social inequities.

Rationale:

The course deals with how bias affects a wide range of applications and technologies that rest on scientific research and data (e.g., how data on 'race' is embedded into algorithms in medical diagnostic technologies). Thus, the change from 'Sciences' to 'STEMM' is more accurate and appropriate.

Consultation:

DCC September 12, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resources:

None

Proposal Status:

Under Review

BIOD06H3: Advanced Topics in Neural Basis of Motor Control

Prerequisites:

BIOC32H3 or BIOC44H3, (NROC34H3) or NROC64H3 or NROC69H3

Rationale:

Changing the prerequisite to BIOC44H3 reflecting the retirement of NROC34H3.

Consultation:

DCC September 12, 2024
DO Consult: April 5, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resources:

None

Proposal Status:

Under Review

BIOD07H3: Advanced Topics and Methods in Neural Circuit Analysis

Prerequisites:

BIOC32H3 or BIOC44H3 or (NROC34H3) or NROC64H3 or NROC69H3

Rationale:

Changing the prerequisite to BIOC44H3 reflecting the retirement of NROC34H3.

Consultation:
DCC September 12, 2024
DO Consult: April 5, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resources:
None

Proposal Status:
Under Review

BIOD08H3: Theoretical Neuroscience

Prerequisites:
~~[~~[BIOC44H3 or (NROC34H3) or NROC64H3 or NROC69H3] and [MATA29H3 or MATA30H3 or MATA31H3] and [PSYB07H3 or STAB22H3]

Exclusions:
(NROD08H3)

Rationale:
Removing the NROD08H3 alias reference in response to the Dean's Office request to eliminate unnecessary double numbering of courses. Updating the prerequisites to reflect NROC34H3 being retired and BIOC44H3 replacing NROC34H3.

Consultation:
Biology DCC: September 12, 2024
Psychology DCC: October 10, 2024
DO Consult: April 5, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resources:
None

Proposal Status:
Under Review

BIOD13H3: Herbology: The Science Behind Medicinal Plants

Prerequisites:
BIOC12H3 or BIOC13H3

Rationale:
Completing either BIOC12H3 or BIOC13H3 will provide students with a sufficient biochemistry background to follow pathways involved in the biosynthesis of medicinal compounds. This requirement will also ensure that students in the Biochemistry Major Program can take this course as a D-level option within their program.

Consultation:
DCC September 12, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resources:
No new resources are needed

Proposal Status:
Under Review

BIOD30H3: Plant Research and Biotechnology: Addressing Global Problems

Prerequisites:
BIOC15H3 or BIOC30H3 or BIOC31H3 or BIOC40H3

Rationale:
Adding BIOC30H3 as an additional prerequisite option as the course was developed by the instructor who teaches BIOD30H3. BIOC30H3, the use of model organisms is critical to the theories used in this biotechnology fourth year course.

Consultation:
DCC September 12, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resources:
None

Proposal Status:
Under Review

BIOD45H3: Animal Communication

Prerequisites:
BIOC44H3 or BIOC54H3 or (NROC34H3)

Rationale:
Changing the prerequisite to BIOC44H3 reflecting the retirement of NROC34H3.

Consultation:
DCC September 12, 2024
DO Consult: April 5, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resources:

None

Proposal Status:
Under Review

BIOD60H3: Spatial Ecology

Description:

Prerequisites:

BIOB50H3 and STAB22H3 and [~~BIOC59H3 or BIOC61H3]~~ Completion of at least 0.5 credit at the C level in Biological Sciences]

Rationale:
The rationale for the prerequisite change is as follows: the instructor has determined the specific C level prerequisites listed do not provide any additional background for the students in the course that would not be obtained using BIOB50H3 - Ecology and STAB22H3 - Statistics, however, we feel students need to have completed at least 0.5 credits at the C level to ensure they are prepared for the rigors of the 4th year course. This change does not impact the learning outcomes and provides more flexibility to our students in the biodiversity and conservation programs.

Consultation:
DCC September 12, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resources:
No additional resources needed beyond the original TA hours

Proposal Status:
Under Review

BIOD66H3: Causes and Consequences of Biodiversity

Title:

~~Causes and Consequences of Biodiversity~~ Quantitative Ecological and Biodiversity Analysis

Description:

~~This course will combine lecture and student paper projects and presentations to explore the evolutionary and ecological processes that generate patterns of biological diversity as well as how species interactions and ecosystem function are affected by diversity. Of key interest will be how invasions, climate change, and habitat destruction affects diversity and function.~~
Advanced analytical skills are required for understanding and addressing the impacts of global change. This course will cover fundamental statistical approaches and techniques for analyzing biodiversity, ecological, and environmental data. In order to prepare for positions in the field, advanced analytical skills are required for addressing the impacts for global change on the environment. Students will have the opportunity to work with and develop skill sets using the R programming language.

Prerequisites:

BIOB51H3 and [~~BIOC59H3 or BIOC61H3]~~ Completion of at least 0.5 credit at the C level in Biological Sciences]

Rationale:
1. Changes to the title and course description are more reflective of the material that have traditionally been taught in the course and highlight the role of quantitative analysis in understanding global environmental change affecting biodiversity.
2. The rationale for the prerequisite change is as follows: the instructor has determined the specific C level prerequisites listed do not provide any additional background for the students in the course that would not be obtained using BIOB51H3 - Evolutionary Biology, however, we feel students need to have completed at least 0.5 credits at the C level to ensure they are prepared for the rigors of the 4th year course. This change does not impact the learning outcomes and provides more flexibility to our students in the biodiversity and conservation programs.

Consultation:
DCC September 12, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resources:
None

Instructor:
Professor Marc Cadotte

Proposal Status:
Under Review

NROC34H3 Neuroethology

Impact on Programs: This Proposal triggers modifications in the unit's programs(s)

New Course Code:

~~NROC34H3~~ BIOC44H3

Rationale:
We are changing the course code to BIOC44H3, retiring NROC34H3 to streamline administration by clarifying the course as a Department of Biological Sciences course rather than Department of Psychology.

Consultation:
Double and Triple Course Listings Meeting with David Zweig and other Chairs April 5, 2024
DCC September 12, 2024
Psychology DCC October 10, 2024
Registrar's Office approved course code by Amber Lantsman and Naureen Nizam - July 3, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resources:
In existing departmental budget as NROC34H3. No additional resources required.

Programs of Study for Which This Course Might be Suitable:
Programs that currently list NROC34H3 that will be modified to BIOC44H3
SPECIALIST PROGRAM IN NEUROSCIENCE - Cellular/Molecular Stream (SCIENCE) - SCSPE1272
SPECIALIST (CO-OPERATIVE) PROGRAM IN NEUROSCIENCE - Cellular/Molecular Stream (SCIENCE) - SCSPE1272C
SPECIALIST PROGRAM IN NEUROSCIENCE - Cognitive Stream (SCIENCE) - SCSPE1172
SPECIALIST (CO-OPERATIVE) PROGRAM IN NEUROSCIENCE - Cognitive Stream (SCIENCE) - SCSPE1172C
SPECIALIST PROGRAM IN NEUROSCIENCE - Systems/Behavioural Stream (SCIENCE) - SCSPE1372
SPECIALIST (CO-OPERATIVE) PROGRAM IN NEUROSCIENCE - Systems/Behavioural Stream (SCIENCE) - SCSPE1372C
MAJOR PROGRAM IN NEUROSCIENCE (SCIENCE) - SCMAJ1472
MAJOR (CO-OPERATIVE) PROGRAM IN NEUROSCIENCE (SCIENCE) - SCMAJ1472C
SPECIALIST PROGRAM IN INTEGRATIVE BIOLOGY (SCIENCE) - SCSPE1030A
SPECIALIST (CO-OPERATIVE) PROGRAM IN INTEGRATIVE BIOLOGY (SCIENCE) - SCSPE1030M
MAJOR PROGRAM IN BIOLOGY (SCIENCE) - SCMAJ1030B
MAJOR (CO-OPERATIVE) PROGRAM IN BIOLOGY (SCIENCE) - SCMAJ1030M
MINOR PROGRAM IN BIOLOGY (SCIENCE) - SCMIN1030A

Proposal Status:
Under Review

1 Course Retirement

NROC34H3: Neuroethology

Rationale:
Retiring the NRO code to only have the BIOC44H3 code remaining at the request of the Dean's office as part of the process to streaming course administration for double/triple numbered courses

Consultation:
Bio DCC September 12, 2024
Psychology DCC October 10, 2024
OVPD Consult April 5, 2024
Registrar’s Office (Lindsey Taylor) February 28, 2025

Resources:
None

Proposal Status:
Under Review

Computer & Mathematical Sciences (UTSC), Department of

17 Program Modifications

SCMAJ1688: MAJOR PROGRAM IN COMPUTER SCIENCE (SCIENCE)

Enrolment Requirements:

Enrolment Requirements

Enrolment in the Major in Computer Science is limited. Students may apply to enter the program after completing 4.0 credits, and must meet the requirements described below:

1. Students already admitted to the UTSC Year 1 Computer Science admissions category:

Required Courses:

Students must have passed the following CSC and MAT courses: CSCA08H3, CSCA48H3, ~~[~~CSCA67H3 ~~or MATA67H3],~~ MATA22H3, MATA31H3, and MATA37H3.

Required Grades:

Students that meet all of the following requirements will be admitted to a CS Major POSt:
a. A cumulative grade point average (CGPA) of at least 2.5 over the following courses: CSCA48H3, ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, ~~MATA31H3,~~ and MATA37H3;
b. A final grade of at least B in CSCA48H3; and
c. A final grade of at least C- in two of the following: ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, and MATA37H3.

2. Students admitted to other UTSC Year 1 admissions categories:

Students that have been admitted to either the UTSC Year 1 Math or UTSC Year 1 Statistics admissions categories are eligible to apply for the Computer Science Major POSt. Admission will be based on academic performance in the required A-level courses, identified above. The admission requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enroll in backup programs.

Students that have not been admitted to a UTSC Year 1 CMS admissions category (Computer Science, Mathematics, or Statistics) must achieve a final grade of at least A- in both MATA31H3 and ~~CSC/MATA67H3~~CSCA67H3 **the first time they complete these courses** in order to be eligible to apply for a CS Major POSt. **This is a strict requirement**. Admission will be based on academic performance in the required A-level courses, identified above. The admission requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enroll in backup programs.

For more information about the admission requirements, please visit the following CMS webpage.

Note: Students admitted to the program after second or third year will be required to pay retroactive deregulated program fees.

Description of Proposed Changes:
1. Updating program entry to reflect the retirement of MATA67H3.
2. Removing MATA31H3 from POSt basket.

Rationale:
1. MATA67H3 (cross-listed course) causes significant confusion among our students so we are reverting to just having one course code, CSCA67H3.
2. Removing MATA31H3 from POSt basket. At present, this course has complicated rules for when it can be repeated and when it cannot, in part because it is not predictive of outcomes.

Impact:
1. No impact on students; CSCA67H3 remains intact.
2. None.

Consultations:
Approved by DCC on Sept. 10, 2024.

Resource Implications:
None

Proposal Status:
Under Review

SCMAJ1165: MAJOR PROGRAM IN MATHEMATICS (SCIENCE)

Completion Requirements:

Program Requirements
This stream requires a total of 8.5 credits, chosen so as to satisfy all of the following requirements:

1. Foundational courses - 5.5 credits from the following:
[(MATA67H3) or CSCA67H3 Discrete Mathematics]
MATA22H3 Linear Algebra I for Mathematical Sciences
MATA31H3 Calculus I for Mathematical Sciences
MATA37H3 Calculus II for Mathematical Sciences

CSCA08H3 Introduction to Computer Science I
MATB24H3 Linear Algebra II
MATB41H3 Techniques of the Calculus of Several Variables I
MATB42H3 Techniques of the Calculus of Several Variables II
MATB44H3 Differential Equations I
STAB52H3 Introduction to Probability
[MATC01H3 Groups and Symmetry OR MATC15H3 Introduction to Number Theory]

2. Further analysis courses - 1.0 credit from the following:
MATB43H3 Introduction to Analysis
MATC27H3 Introduction to Topology
MATC34H3 Complex Variables
MATC46H3 Differential Equations II
MATD35H3 Introduction to Discrete Dynamical Systems
~~MATD46H3 Partial Differential Equations~~
MATD67H3 - Differentiable Manifolds

3. Further algebra, geometry, and discrete mathematics courses - 1.0 credit from the following:
MATC01H3 Groups and Symmetry
MATC09H3 Introduction to Mathematical Logic
MATC15H3 Introduction to Number Theory
MATC32H3 Graph Theory and Algorithms for its Applications
MATC44H3 Introduction to Combinatorics
MATC63H3 Differential Geometry
MATD01H3 Fields and Groups
MATD02H3 Classical Plane Geometries and their Transformations
MATD44H3 Topics in Combinatorics

4. Elective courses - 1.0 credit from the following:
MATB61H3 Linear Programming and Optimization
STAB57H3 Introduction to Statistics
MATD50H3 Mathematical Introduction to Game Theory

Any C- or D-level MAT, STA, or CSC course, excluding STAC32H3, STAC53H3 and STAD29H3

Recommended Writing Course
Students are urged to take a course from the following list of courses by the end of their second year.
ANTA01H3, ANTA02H3, CLAA06H3, (CTLA19H3), CTLA01H3, ENGA10H3, ENGA11H3, ENGB06H3, ENGB07H3, ENGB08H3, ENGB09H3, ENGB17H3, ENGB19H3, ENGB50H3, (ENGB51H3), GGRA02H3, GGRA03H3, GGRB05H3, (GGRB06H3), (HISA01H3), (HLTA01H3), ACMA01H3, (HUMA01H3), (HUMA11H3), (HUMA17H3), (LGGA99H3), LINA01H3, PHLA10H3, PHLA11H3, WSTA01H3.

Enrolment Requirements:

Enrolment Requirements

Enrolment in the Major Program in Mathematics is limited. Students may apply to enter the program after completing 4.0 credits, and must meet the requirements described below:

1. Students already admitted to the UTSC Year 1 Mathematics admissions category:

Required Courses:

Students must have passed the following CSC and MAT courses: CSCA08H3, ~~[~~CSCA67H3 ~~or MATA67H3],~~ MATA22H3, MATA31H3, and MATA37H3.

Required Grades:

Students that meet all of the following requirements will be admitted to the Mathematics Major POSt:
a. A cumulative grade point average (CGPA) of at least 2.0 over the following courses: CSC/MATA67H3, MATA22H3, ~~MATA31H3,~~ and MATA37H3; and
b. A final grade of at least B in one of the following: CSC/MATA67H3, MATA22H3, and MATA37H3.

2. Students admitted to other UTSC Year 1 admissions categories:

Students that have been admitted to other CMS admissions categories (Computer Science or Statistics) or any other of the UTSC Year 1 admissions categories are eligible to apply for a Mathematics Major POSt. Admission will be based on academic performance in the required A-level courses, identified above. The admission requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enroll in backup programs.

For more information about the admission requirements, please visit the following CMS webpage.

Description of Proposed Changes:
1. The course MATD46H3 has been deleted so we are removing it from the MAT Spec & Major listing. MATC46H3 is a suitable replacement and is currently listed as an option.
2. Removing MATA31H3 from POSt basket.
3. Update MATA67H3 in program entry as it's retired.

Rationale:
1. MATC46H3 and MATD46H3 are both introductions to partial differential equations and the department feels they have too much overlap. There are other related upper division courses which it would be preferable for students to take in lieu of two courses on partial differential equations.

2. Removing MATA31H3 from POSt basket. At present, this course has complicated rules for when it can be repeated and when it cannot, in part because it is not predictive of outcomes.
3. Necessary to update program entry re: MATA67H3 retirement.

Impact:
1. We anticipate little to no impact as there are many other upper division courses in the broader area of mathematical analysis which students can take.
2. None
3. No impact as CSCA67H3 remains intact.

Consultations:
Approved by DCC on Sept. 10, 2024.

Resource Implications:
None

Proposal Status:
Under Review

SCMAJ2289: MAJOR PROGRAM IN STATISTICS (SCIENCE)

Completion Requirements:

Program Requirements
This program requires 8.0 credits.

1. A-level courses
MATA22H3 Linear Algebra I for Mathematical Sciences
[CSCA08H3 Introduction to Computer Science I or CSCA20H3 Computer Science for the Sciences]
[MATA30H3 Calculus I for Physical Sciences or MATA31H3 Calculus I for Mathematical Sciences*]
[MATA36H3 Calculus II for Physical Sciences or MATA37H3 Calculus II for Mathematical Sciences*]
*The sequence MATA31H3 and MATA37H3 is recommended. MATA31H3 is the prerequisite for MATA37H3.

2. B-level courses
MATB24H3 Linear Algebra II
MATB41H3 Techniques of the Calculus of Several Variables I
MATB42H3 Techniques of the Calculus of Several Variables II
[STAB52H3 An Introduction to Probability or STAB53H3 Introduction to Applied Probability]*
STAB57H3 An Introduction to Statistics*

3. Upper-level courses
STAC67H3 Regression Analysis*
and
1.5 credits from the following:
any C- or D-level STA courses, except: STAC32H3, STAC53H3 and STAD29H3

4. Electives
1.5 credit from the following:
STAA57H3, ~~ACTB40H3~~STAB40H3, STAB41H3, MATB61H3, or any C- or D-level CSC, MAT or STA courses

* STAB52H3, STAB53H3, STAB57H3, STAC67H3 - These courses must be taken at UTSC. No substitutes are permitted without permission from the program supervisor.

Enrolment Requirements:

Enrolment Requirements

Enrolment in the Major Program in Statistics is limited.

Students may apply to enter the program after completing 4.0 credits, and must meet the requirements described below:

1. Students already admitted to the UTSC Year 1 Statistics admissions category:

Required Courses:

Students must have passed the following CSC and MAT courses: [CSCA08H3 or CSCA20H3], MATA22H3, [MATA30H3 or MATA31H3] and [MATA36H3 or MATA37H3].

Required Grades:
Students that meet the following requirements will be admitted to the Statistics Major POSt:
a. A cumulative grade point average (CGPA) of at least 2.3 over the following courses: CSCA08H3/CSCA20H3, MATA22H3, ~~MATA30/31H3,~~ and MATA36/37H3.

2. Students admitted to other UTSC Year 1 admissions categories:

Students that have been admitted to other CMS admissions categories (Computer Science or Mathematics) or any other UTSC Year 1 admissions categories are eligible to apply for a Statistics Major POSt. Admission will be based on academic performance in the required A-level courses, identified above. The admission requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enroll in backup programs.

For more information about the admission requirements, please visit the following CMS webpage.

Description of Proposed Changes:
1. ACTB40H3 course code is being replaced by STAB40H3 so we are updating our Stats program listings accordingly.

2. Removing MATA30H3 & MATA31H3 from POSt baskets.

Rationale:
1. Necessary to update program listings.
2. Removing MATA30H3 & MATA31H3 from POSt baskets. At present, these have complicated rules for when they can be repeated and when they cannot, in part because they are not predictive of outcomes.

Impact:
None

Consultations:
Approved by DCC Sept. 10, 2024.

Resource Implications:
None

Proposal Status:
Under Review

SCMIN1688: MINOR PROGRAM IN COMPUTER SCIENCE (SCIENCE)

Completion Requirements:

Program Requirements
This program may not be combined with any Major or Specialist Program in Computer Science, Mathematics or Statistics. It requires 4.0 credits as follows:

1. Introductory programming courses, 1.0 credit as follows:
CSCA08H3 Introduction to Computer Science I*
CSCA48H3 Introduction to Computer Science II
*__Note__: CSCA20H3 may be substituted for CSCA08H3 with permission of the Supervisor of Studies.

2. Basic mathematics courses, 0.5 credit from the following:
CSCA67H3~~/MATA67H3~~ Discrete Mathematics
MATA22H3 Linear Algebra I for Mathematical Sciences
MATA23H3 Linear Algebra I
MATA30H3 Calculus I for Physical Sciences
MATA31H3 Calculus I for Mathematical Sciences
MATA34H3 Calculus for Management

3. Intermediate programming, systems, and theory courses, 1.5 credits from the following:
CSCB07H3 Software Design
CSCB09H3 Software Tools and Systems Programming
CSCB20H3 Introduction to Databases and Web Applications
CSCB36H3 Introduction to the Theory of Computation**
CSCB58H3 Computer Organization
CSCB63H3 Design and Analysis of Data Structures***
**__Note__: CSCB36H3 requires CSCA67H3
***__Note__: CSCB63H3 requires CSCB36H3

4. CSC electives, 1.0 credit as follows:
Any C- or D-level CSC courses*
*__Note__: Some C- or D-level courses have prerequisites that would have to be taken *in addition* to the 4 credits required for this program. Check the prerequisites carefully before selecting courses to satisfy this requirement.

Enrolment Requirements:

Enrolment Requirements

Enrolment in the Minor in Computer Science is limited.

Students may apply to enter the program after completing 4.0 credits, and must have passed the following CSC and MAT courses: CSCA08H3, CSCA48H3, and [one of: CSCA67H3,~~ MATA67H3,~~ MATA22H3, MATA23H3,~~ MATA30H3, MATA31H3, or [(MATA32H3) or MATA34H3]~~]. Admission will be based on academic performance in these A-level courses. The admission requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enroll in backup programs.

For more information about the admission requirements, please visit the following CMS webpage.

Students in the Minor may take a maximum of 3 CSC elective courses (1.5 credits) at the C-level and D-level.

Description of Proposed Changes:
1. Updating program entry to reflect the retirement of MATA67H3.
2. Updating the program entry information: Removing MATA30H3, MATA31H3, (MATA32H3), MATA34H3.

Rationale:
1. MATA67H3 (cross-listed course) causes significant confusion among our students so we are reverting to just having one course code, CSCA67H3.
2 Only CSCA08H3, CSCA48H3, and one of [CSCA67H3, MATA22H3, MATA23H3] are used for POSt admission so these other courses can be removed.

Impact:
None

Consultations:
Approved by DCC on Sept. 10, 2024.

Resource Implications:
None

Proposal Status:
Under Review

SCSPE0510: SPECIALIST PROGRAM IN COMPUTER SCIENCE - Comprehensive Stream (SCIENCE)

Enrolment Requirements:

Enrolment Requirements

Enrolment in the Specialist in Computer Science (all streams) is limited. Students may apply to enter the program after completing 4.0 credits, and must meet the requirements described below:

1. Students already admitted to the UTSC Year 1 Computer Science admissions category:

Required Courses:

Students must have passed the following CSC and MAT courses: CSCA08H3, CSCA48H3, ~~[~~CSCA67H3 ~~or MATA67H3],~~ MATA22H3, MATA31H3, and MATA37H3.

Required Grades:

Students that meet all of the following requirements will be admitted to a CS Specialist POSt*:
a. A cumulative grade point average (CGPA) of at least 2.5 over the following courses: CSCA48H3, ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, ~~MATA31H3,~~ and MATA37H3;
b. A final grade of at least B in CSCA48H3; and
c. A final grade of at least C- in two of the following: ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, and MATA37H3.

*Students must select **one** stream of the CS Specialist as follows:
a. Students can select either the Comprehensive stream or the Software Engineering stream.
b. A limited number of students will be admitted to the Information Systems stream, depending on available space.
c. Admission to the Entrepreneurship stream will be based in part on submission of a Supplementary Application Form (SAF) available on the Department of Computer and Mathematical Sciences website. Applications for admission will be accepted once per academic year, during the April-May POSt admissions round.

2. Students admitted to other UTSC Year 1 admissions categories:

Students that have been admitted to either the UTSC Year 1 Math or UTSC Year 1 Statistics admissions categories are eligible to apply for the Computer Science Specialist POSt. Admission will be based on academic performance in the required A-level courses, identified above. The admission requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enroll in backup programs.

Students that have not been admitted to a UTSC Year 1 CMS admissions category (Computer Science, Mathematics, or Statistics) must achieve a final grade of at least A- in both MATA31H3 and ~~CSC/MATA67H3~~CSCA67H3 **the first time they complete these courses** in order to be eligible to apply for a CS Specialist POSt. **This is a strict requirement.** Admission will be based on academic performance in the required A-level courses, identified above. The admission requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enroll in backup programs.

For more information about the admission requirements, please visit the following CMS webpage.

To remain in the program, a student must maintain a CGPA of 2.0 or higher throughout the program.

Note: Students admitted to the program after second or third year will be required to pay retroactive deregulated program fees.

Description of Proposed Changes:
1. Updating program entry to reflect the retirement of MATA67H3.
2. Removing MATA31 from POSt basket.

Rationale:
1. MATA67H3 (cross-listed course) causes significant confusion among our students so we are reverting to just having one course code, CSCA67H3.
2. Removing MATA31H3 from POSt basket. At present, this course has complicated rules for when it can be repeated and when it cannot, in part because it is not predictive of outcomes.

Impact:
1. No impact on students; CSCA67H3 remains intact.
2. None.

Consultations:
Approved by DCC on Sept. 10, 2024.

Resource Implications:
None

Proposal Status:
Under Review

SCSPE0805: SPECIALIST PROGRAM IN COMPUTER SCIENCE - Entrepreneurship Stream (SCIENCE)

Enrolment Requirements:

Enrolment Requirements

Enrolment in the Specialist in Computer Science (all streams) is limited. Students may apply to enter the program after completing 4.0 credits, and must meet the requirements described below:

1. Students already admitted to the UTSC Year 1 Computer Science admissions category:

Required Courses:

Students must have passed the following CSC and MAT courses: CSCA08H3, CSCA48H3, ~~[~~CSCA67H3 ~~or MATA67H3],~~ MATA22H3, MATA31H3, and MATA37H3.

Required Grades:

Students that meet all of the following requirements will be admitted to a CS Specialist POSt*:
a. A cumulative grade point average (CGPA) of at least 2.5 over the following courses: CSCA48H3, ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, ~~MATA31H3,~~ and MATA37H3;
b. A final grade of at least B in CSCA48H3; and
c. A final grade of at least C- in two of the following: ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, and MATA37H3.

*Students must select **one** stream of the CS Specialist as follows:
a. Students can select either the Comprehensive stream or the Software Engineering stream.
b. A limited number of students will be admitted to the Information Systems stream, depending on available space.
c. Admission to the Entrepreneurship stream will be based in part on submission of a Supplementary Application Form (SAF) available on the Department of Computer and Mathematical Sciences website. Applications for admission will be accepted once per academic year, during the April-May POSt admissions round.

2. Students admitted to other UTSC Year 1 admissions categories:

Students that have been admitted to either the UTSC Year 1 Math or UTSC Year 1 Statistics admissions categories are eligible to apply for the Computer Science Specialist POSt. Admission will be based on academic performance in the required A-level courses, identified above. The admission requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enroll in backup programs.

Students that have not been admitted to a UTSC Year 1 CMS admissions category (Computer Science, Mathematics, or Statistics) must achieve a final grade of at least A- in both MATA31H3 and ~~CSC/MATA67H3~~CSCA67H3 **the first time they complete these courses** in order to be eligible to apply for a CS Specialist POSt. **This is a strict requirement**. Admission will be based on academic performance in the required A-level courses, identified above. The admission requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enroll in backup programs.

For more information about the admission requirements, please visit the following CMS webpage.

To remain in the program, a student must maintain a CGPA of 2.0 or higher throughout the program.

Note: Students admitted to the program after second or third year will be required to pay retroactive deregulated program fees.

Description of Proposed Changes:
1. Updating program entry to reflect the retirement of MATA67H3.
2. Removing MATA31 from POSt basket.

Rationale:
1. MATA67H3 (cross-listed course) causes significant confusion among our students so we are reverting to just having one course code, CSCA67H3.
2. Removing MATA31H3 from POSt basket. At present, this course has complicated rules for when it can be repeated and when it cannot, in part because it is not predictive of outcomes.

Impact:
1. No impact on students; CSCA67H3 remains intact.
2. None.

Consultations:
Approved by DCC on Sept. 10, 2024.

Resource Implications:
None

Proposal Status:
Under Review

SCSPE0455: SPECIALIST PROGRAM IN COMPUTER SCIENCE - Information Systems Stream (SCIENCE)

Enrolment Requirements:

Enrolment Requirements

Enrolment in the Specialist in Computer Science (all streams) is limited. Students may apply to enter the program after completing 4.0 credits, and must meet the requirements described below:

1. Students already admitted to the UTSC Year 1 Computer Science admissions category:

Required Courses:

Students must have passed the following CSC and MAT courses: CSCA08H3, CSCA48H3, ~~[~~CSCA67H3 ~~or MATA67H3],~~ MATA22H3, MATA31H3, and MATA37H3.

Required Grades:

Students that meet all of the following requirements will be admitted to a CS Specialist POSt*:

a. A cumulative grade point average (CGPA) of at least 2.5 over the following courses: CSCA48H3, ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, ~~MATA31H3,~~ and MATA37H3;
b. A final grade of at least B in CSCA48H3; and
c. A final grade of at least C- in two of the following: ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, and MATA37H3.

*Students must select **one** stream of the CS Specialist as follows:
a. Students can select either the Comprehensive stream or the Software Engineering stream.
b. A limited number of students will be admitted to the Information Systems stream, depending on available space.
c. Admission to the Entrepreneurship stream will be based in part on submission of a Supplementary Application Form (SAF) available on the Department of Computer and Mathematical Sciences website.

Applications for admission will be accepted once per academic year, during the April-May POSt admissions round.

2. Students admitted to other UTSC Year 1 admissions categories:

Students that have been admitted to either the UTSC Year 1 Math or UTSC Year 1 Statistics admissions categories are eligible to apply for the Computer Science Specialist POSt. Admission will be based on academic performance in the required A-level courses, identified above. The admission requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enroll in backup programs.

Students that have not been admitted to a UTSC Year 1 CMS admissions category (Computer Science, Mathematics, or Statistics) must achieve a final grade of at least A- in both MATA31H3 and ~~CSC/MATA67H3~~CSCA67H3 **the first time they complete these courses** in order to be eligible to apply for a CS Specialist POSt. **This is a strict requirement**. Admission will be based on academic performance in the required A-level courses, identified above. The admission requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enroll in backup programs.

For more information about the admission requirements, please visit the following CMS webpage.

To remain in the program, a student must maintain a CGPA of 2.0 or higher throughout the program.

Note: Students admitted to the program after second or third year will be required to pay retroactive deregulated program fees.

Description of Proposed Changes:
1. Updating program entry to reflect the retirement of MATA67H3.
2. Removing MATA31H3 from POSt basket.

Rationale:
1. MATA67H3 (cross-listed course) causes significant confusion among our students so we are reverting to just having one course code, CSCA67H3.
2. Removing MATA31H3 from POSt basket. At present, this course has complicated rules for when it can be repeated and when it cannot, in part because it is not predictive of outcomes.

Impact:
1. No impact on students; CSCA67H3 remains intact.
2. None.

Consultations:
Approved by DCC on Sept. 10, 2024.

Resource Implications:
None

Proposal Status:
Under Review

SCSPE0795: SPECIALIST PROGRAM IN COMPUTER SCIENCE - Software Engineering Stream (SCIENCE)

Enrolment Requirements:

Enrolment Requirements

Enrolment in the Specialist in Computer Science (all streams) is limited. Students may apply to enter the program after completing 4.0 credits, and must meet the requirements described below:

1. Students already admitted to the UTSC Year 1 Computer Science admissions category:

Required Courses:

Students must have passed the following CSC and MAT courses: CSCA08H3, CSCA48H3, ~~[~~CSCA67H3 ~~or MATA67H3],~~ MATA22H3, MATA31H3, and MATA37H3.

Required Grades:

Students that meet all of the following requirements will be admitted to a CS Specialist POSt*:
a. A cumulative grade point average (CGPA) of at least 2.5 over the following courses: CSCA48H3, ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, ~~MATA31H3,~~ and MATA37H3;
b. A final grade of at least B in CSCA48H3; and
c. A final grade of at least C- in two of the following: ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, and MATA37H3.

*Students must select **one** stream of the CS Specialist as follows:
a. Students can select either the Comprehensive stream or the Software Engineering stream.

b. A limited number of students will be admitted to the Information Systems stream, depending on available space.
c. Admission to the Entrepreneurship stream will be based in part on submission of a Supplementary Application Form (SAF) available on the Department of Computer and Mathematical Sciences website. Applications for admission will be accepted once per academic year, during the April-May POSt admissions round.

2. Students admitted to other UTSC Year 1 admissions categories:

Students that have been admitted to either the UTSC Year 1 Math or UTSC Year 1 Statistics admissions categories are eligible to apply for the Computer Science Specialist POSt. Admission will be based on academic performance in the required A-level courses, identified above. The admission requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enroll in backup programs.

Students that have not been admitted to a UTSC Year 1 CMS admissions category (Computer Science, Mathematics, or Statistics) must achieve a final grade of at least A- in both MATA31H3 and ~~CSC/MATA67H3~~CSCA67H3 **the first time they complete these courses** in order to be eligible to apply for a CS Specialist POSt. **This is a strict requirement**. Admission will be based on academic performance in t
he required A-level courses, identified above. The admission requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enroll in backup programs.

For more information about the admission requirements, please visit the following CMS webpage.

To remain in the program, a student must maintain a CGPA of 2.0 or higher throughout the program.

Note: Students admitted to the program after second or third year will be required to pay retroactive deregulated program fees.

Description of Proposed Changes:
1. Updating program entry to reflect the retirement of MATA67H3.
2. Removing MATA31H3 from POSt basket.

Rationale:
1. MATA67H3 (cross-listed course) causes significant confusion among our students so we are reverting to just having one course code, CSCA67H3.
2. Removing MATA31H3 from POSt basket. At present, this course has complicated rules for when it can be repeated and when it cannot, in part because it is not predictive of outcomes.

Impact:
1. No impact on students; CSCA67H3 remains intact.
2. None.

Consultations:
Approved by DCC on Sept. 10, 2024.

Resource Implications:
None

Proposal Status:
Under Review

SCSPE11659: SPECIALIST PROGRAM IN MATHEMATICS - Comprehensive Stream (SCIENCE)

Completion Requirements:

Program Requirements
The Program requirements consist of a core 15 courses (7.5 credits), common to all streams, and additional requirements that depend on the stream, for a total of 26-27 courses (13.0-13.5 credits).

The structure of the programs allows for easy switching between streams until relatively late. Consequently, these programs should not be viewed as rigidly separated channels feeding students to different career paths, but as a flexible structure that provides guidance to students in their course selection based on their broad (but possibly fluid) interests.

Core (7.5 credits)

1. Writing Requirement (0.5 credit) (*)
0.5 credits from the following: ANTA01H3, ANTA02H3, CLAA06H3, (CTLA19H3), CTLA01H3, ENGA10H3, ENGA11H3, ENGB06H3, ENGB07H3, ENGB08H3, ENGB09H3, ENGB17H3, ENGB19H3, ENGB50H3, (ENGB51H3), GGRA02H3, GGRA03H3, GGRB05H3, (GGRB06H3), (HISA01H3), (HLTA01H3), ACMA01H3, (HUMA01H3), (HUMA11H3), (HUMA17H3), (LGGA99H3), LINA01H3, PHLA10H3, WSTA01H3.
(*) It is recommended that this requirement be satisfied by the end of the second year.

2. A-level courses (2.5 credits)
CSCA08H3 Introduction to Computer Science I
MATA22H3 Linear Algebra I for Mathematical Sciences
MATA31H3 Calculus I for Mathematical Sciences
MATA37H3 Calculus II for Mathematical Sciences
[(MATA67H3) or CSCA67H3 Discrete Mathematics]

3. B-level courses (3.5 credits)
MATB24H3 Linear Algebra II
MATB41H3 Techniques of the Calculus of Several Variables I
MATB42H3 Techniques of the Calculus of Several Variables II
MATB43H3 Introduction to Analysis
MATB44H3 Differential Equations I
STAB52H3 Introduction to Probability (**)
STAB57H3 Introduction to Statistics (**)
(**) This course may be taken after the second year, except for the Statistics stream.

4. C-level courses (1.0 credit)
MATC01H3 Groups and Symmetry
MATC34H3 Complex Variables

Comprehensive Stream
This stream requires a total of 27 courses (13.5 credits) In addition to the core requirements 1-4 common to all streams, 12 other distinct courses must be chosen satisfying all of the following requirements:

5. Additional courses in analysis and algebra (1.5 credits):
1.5 credits from the following:
MATC37H3 Introduction to Real Analysis
MATC46H3 Differential Equations II
MATD01H3 Fields and Groups
MATD35H3 Introduction to Discrete Dynamical Systems
~~MATD46H3 Partial Differential Equations~~

6. Courses in key areas of mathematics (1.0 credit):
1.0 credit from the following:
MATC15H3 Introduction to Number Theory
MATC27H3 Introduction to Topology
MATC63H3 Differential Geometry
MATD02H3 Classical Plane Geometries and their Transformations
MATD34H3 Complex Variables II

7. Mathematics of computation (1.0 credit):
1.0 credit from the following:
CSCC37H3 Introduction to Numerical Algorithms for Computational Mathematics
CSCC63H3 Computability and Computational Complexity
CSCC73H3 Algorithm Design and Analysis
MATC09H3 Introduction to Mathematical Logic
MATC32H3 Graph Theory and Algorithms for its Applications
MATC44H3 Introduction to Combinatorics
MATD16H3 Coding Theory and Cryptography
MATD44H3 Topics in Combinatorics

8. Electives (2.5 credits):
2.5 credits from CSC/MAT/STA/PHY of which at least 1.5 must be at the C- or D-level MAT courses.

Enrolment Requirements:

Enrolment Requirements

Enrolment in the Specialist Program in Mathematics (all streams) is limited. Students may apply to enter the program after completing 4.0 credits, and must meet the requirements described below:

1. Students already admitted to the UTSC Year 1 Mathematics admissions category:

Required Courses:

Students must have passed the following CSC and MAT courses: CSCA08H3, ~~[~~CSCA67H3 ~~or MATA67H3],~~ MATA22H3, MATA31H3, and MATA37H3.

Required Grades:

Students that meet all of the following requirements will be admitted to a Mathematics Specialist POSt* of their choice:
a. A cumulative grade point average (CGPA) of at least 2.5 over the following courses: ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, ~~MATA31H3,~~ and MATA37H3; and
b. A final grade of at least B in two of the following: ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, and MATA37H3.

*Students must select **one** stream of the Mathematics Specialist.

2. Students admitted to other UTSC Year 1 admissions categories:

Students that have been admitted to other CMS admissions categories (Computer Science or Statistics) or any other of the UTSC Year 1 admissions categories are eligible to apply for a Mathematics Specialist POSt. Admission will be based on academic performance in the required A-level courses, identified above. The admission requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enroll in backup programs.

For more information about the admission requirements, please visit the following CMS webpage.

Description of Proposed Changes:
1. The course MATD46H3 has been deleted so we are removing it from the MAT Spec & Major listing. MATC46H3 is a suitable replacement and is currently listed as an option.
2. Updating program entries to reflect the retirement of MATA67H3.
3 Removing MATA31 from POSt basket.

Rationale:
1. MATC46H3 and MATD46H3 are both introductions to partial differential equations and the department feels they have too much overlap. There are other related upper division courses which it would be preferable for students to take in lieu of two courses on partial differential equations.
2. MATA67H3 (cross-listed course) causes significant confusion among our students so we are reverting to just having one course code, CSCA67H3.

3. Removing MATA31H3 from POSt basket. At present, this course has complicated rules for when it can be repeated and when it cannot, in part because it is not predictive of outcomes.

Impact:
1. We anticipate little to no impact as there are many other upper division courses in the broader area of mathematical analysis which students can take.
2. No impact on students; CSCA67H3 remains intact.
3. None.

Consultations:
Approved by DCC on Sept. 10, 2024.

Resource Implications:
None

Proposal Status:
Under Review

SCSPE11655: SPECIALIST PROGRAM IN MATHEMATICS - Statistics Stream (SCIENCE)

Completion Requirements:

Program Requirements
The Program requirements consist of a core 15 courses (7.5 credits), common to all streams, and additional requirements that depend on the stream, for a total of 26-27 courses (13.0-13.5 credits).

The structure of the programs allows for easy switching between streams until relatively late. Consequently, these programs should not be viewed as rigidly separated channels feeding students to different career paths, but as a flexible structure that provides guidance to students in their course selection based on their broad (but possibly fluid) interests.

Core (7.5 credits)

1. Writing Requirement (0.5 credit) (*)
0.5 credits from the following: ANTA01H3, ANTA02H3, CLAA06H3, (CTLA19H3), CTLA01H3, ENGA10H3, ENGA11H3, ENGB06H3, ENGB07H3, ENGB08H3, ENGB09H3, ENGB17H3, ENGB19H3, ENGB50H3, (ENGB51H3), GGRA02H3, GGRA03H3, GGRB05H3, (GGRB06H3), (HISA01H3), (HLTA01H3), ACMA01H3, (HUMA01H3), (HUMA11H3), (HUMA17H3), (LGGA99H3), LINA01H3, PHLA10H3, WSTA01H3.
(*) It is recommended that this requirement be satisfied by the end of the second year.

2. A-level courses (2.5 credits)
CSCA08H3 Introduction to Computer Science I
MATA22H3 Linear Algebra I for Mathematical Sciences
MATA31H3 Calculus I for Mathematical Sciences
MATA37H3 Calculus II for Mathematical Sciences
[(MATA67H3) or CSCA67H3 Discrete Mathematics]

3. B-level courses (3.5 credits)
MATB24H3 Linear Algebra II
MATB41H3 Techniques of the Calculus of Several Variables I
MATB42H3 Techniques of the Calculus of Several Variables II
MATB43H3 Introduction to Analysis
MATB44H3 Differential Equations I
STAB52H3 Introduction to Probability (**)
STAB57H3 Introduction to Statistics (**)
(**) This course may be taken after the second year, except for the Statistics stream.

4. C-level courses (1.0 credit)
MATC01H3 Groups and Symmetry
MATC34H3 Complex Variables

Statistics Stream
This stream requires a total of 26 courses (13.0 credits). In addition to the core requirements 1-4 common to all streams, 11 other distinct courses must be chosen, satisfying all of the following requirements (in choosing courses to satisfy requirements 7-9, students must select at least one D-level course).

5. Algebra and Analysis (1.5 credits):
MATB61H3 Linear Programming and Optimization
MATC46H3 Differential Equations II
MATD01H3 Fields and Groups

6. Statistics (1.5 credits):
STAC58H3 Statistical Inference
STAC62H3 Probability and Stochastic Processes I
STAC67H3 Regression Analysis

7. Discrete mathematics and geometry (0.5 credit):
0.5 credit from the following:
MATC32H3 Graph Theory and Algorithms for its Applications
MATC44H3 Introduction to Combinatorics
MATD02H3 Classical Plane Geometries and their Transformations
MATD44H3 Topics in Combinatorics
MATD50H3 Mathematical Introduction to Game Theory

8. Upper-level MAT electives (1.0 credit):

1.0 credit from any C- or D-level MAT courses (*)
(*) For students wishing to pursue graduate studies in Mathematics or Statistics it is recommended that MATC37H3 be chosen as one of these two courses.

9. Upper-level STA electives (1.0 credit):
1.0 credit from the following:
(ACTB47H3) Introductory Life Contingencies
Any C- or D-level STA course, excluding STAC32H3, STAC53H3 and STAD29H3

Enrolment Requirements:

Enrolment Requirements

Enrolment in the Specialist Program in Mathematics (all streams) is limited. Students may apply to enter the program after completing 4.0 credits, and must meet the requirements described below:

1. Students already admitted to the UTSC Year 1 Mathematics admissions category:

Required Courses:

Students must have passed the following CSC and MAT courses: CSCA08H3, ~~[~~CSCA67H3 ~~or MATA67H3],~~ MATA22H3, MATA31H3,~~-~~and MATA37H3.

Required Grades:

Students that meet all of the following requirements will be admitted to a Mathematics Specialist POSt* of their choice:

a. A cumulative grade point average (CGPA) of at least 2.5 over the following courses: ~~CSC/MATA67H3~~CSCA67H3, MATA22H3,~~ MATA31H3,~~ and MATA37H3; and
b. A final grade of at least B in two of the following: ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, and MATA37H3.

*Students must select one stream of the Mathematics Specialist.

2. Students admitted to other UTSC Year 1 admissions categories:

Students that have been admitted to other CMS admissions categories (Computer Science or Statistics) or any other of the UTSC Year 1 admissions categories are eligible to apply for a Mathematics Specialist POSt. Admission will be based on academic performance in the required A-level courses, identified above. The admission requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enroll in backup programs.

For more information about the admission requirements, please visit the following CMS webpage.

Description of Proposed Changes:
1. Updating program entries to reflect the retirement of MATA67H3.
2. Removing MATA31 from POSt basket.

Rationale:
1. MATA67H3 (cross-listed course) causes significant confusion among our students so we are reverting to just having one course code, CSCA67H3.
2. Removing MATA31H3 from POSt basket. At present, this course has complicated rules for when it can be repeated and when it cannot, in part because it is not predictive of outcomes.

Impact:
1. No impact on students; CSCA67H3 remains intact.
2. None.

Consultations:
Approved by DCC on Sept. 10, 2024.

Resource Implications:
None

Proposal Status:
Under Review

SCSPE11653: SPECIALIST PROGRAM IN MATHEMATICS - Teaching Stream (SCIENCE)

Completion Requirements:

Program Requirements
The Program requirements consist of a core 15 courses (7.5 credits), common to all streams, and additional requirements that depend on the stream, for a total of 26-27 courses (13.0-13.5 credits).

The structure of the programs allows for easy switching between streams until relatively late. Consequently, these programs should not be viewed as rigidly separated channels feeding students to different career paths, but as a flexible structure that provides guidance to students in their course selection based on their broad (but possibly fluid) interests.

Core (7.5 credits)

1. Writing Requirement (0.5 credit) (*)
0.5 credits from the following: ANTA01H3, ANTA02H3, CLAA06H3, (CTLA19H3), CTLA01H3, ENGA10H3, ENGA11H3, ENGB06H3, ENGB07H3, ENGB08H3, ENGB09H3, ENGB17H3, ENGB19H3, ENGB50H3, (ENGB51H3), GGRA02H3, GGRA03H3, GGRB05H3, (GGRB06H3), (HISA01H3), (HLTA01H3), ACMA01H3, (HUMA01H3), (HUMA11H3), (HUMA17H3), (LGGA99H3), LINA01H3, PHLA10H3, WSTA01H3.
(*) It is recommended that this requirement be satisfied by the end of the second year.

2. A-level courses (2.5 credits)

CSCA08H3 Introduction to Computer Science I
MATA22H3 Linear Algebra I for Mathematical Sciences
MATA31H3 Calculus I for Mathematical Sciences
MATA37H3 Calculus II for Mathematical Sciences
[(MATA67H3) or CSCA67H3 Discrete Mathematics]

3. B-level courses (3.5 credits)
MATB24H3 Linear Algebra II
MATB41H3 Techniques of the Calculus of Several Variables I
MATB42H3 Techniques of the Calculus of Several Variables II
MATB43H3 Introduction to Analysis
MATB44H3 Differential Equations I
STAB52H3 Introduction to Probability (**)
STAB57H3 Introduction to Statistics (**)
(**) This course may be taken after the second year, except for the Statistics stream.

4. C-level courses (1.0 credit)
MATC01H3 Groups and Symmetry
MATC34H3 Complex Variables

Teaching Stream
This stream requires a total of 26 courses (13.0 credits). In addition to the core requirements 1-4 common to all streams, 11 other distinct courses must be chosen, satisfying all of the following requirements:

5. Algebra, analysis, and geometry (1.5 credits):
1.5 credits from the following:
MATC15H3 Introduction to Number Theory

MATC46H3 Differential Equations II
MATD01H3 Fields and Groups
MATD02H3 Classical Plane Geometries and their Transformations
MATD35H3 Introduction to Discrete Dynamical Systems
~~MATD46H3 Partial Differential Equations~~

6. Discrete mathematics (0.5 credit):
0.5 credit from the following:
MATC32H3 Graph Theory and Algorithms for its Applications
MATC44H3 Introduction to Combinatorics
MATD44H3 Topics in Combinatorics

7. MAT electives (1.5 credits):
1.5 credits of any C- or D-level MAT courses

8. MAT/STA/CSC electives (2.0 credits):
2.0 credits of any C- or D-level MAT, STA, CSC courses, excluding STAC32H3, STAC53H3 and STAD29H3
It is recommended that students obtain a TA-ship within the Department of Computer and Mathematical Sciences.

Enrolment Requirements:

Enrolment Requirements

Enrolment in the Specialist Program in Mathematics (all streams) is limited. Students may apply to enter the program after completing 4.0 credits, and must meet the requirements described below:

1. Students already admitted to the UTSC Year 1 Mathematics admissions category:

Required Courses:

Students must have passed the following CSC and MAT courses: CSCA08H3, ~~[~~CSCA67H3 ~~or MATA67H3]~~, MATA22H3, MATA31H3, and MATA37H3.

Required Grades:

Students that meet all of the following requirements will be admitted to a Mathematics Specialist POSt* of their choice:
a. A cumulative grade point average (CGPA) of at least 2.5 over the following courses: ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, ~~MATA31H3,~~ and MATA37H3; and
b. A final grade of at least B in two of the following: ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, and MATA37H3.

*Students must select one stream of the Mathematics Specialist.

2. Students admitted to other UTSC Year 1 admissions categories:

Students that have been admitted to other CMS admissions categories (Computer Science or Statistics) or any other of the UTSC Year 1 admissions categories are eligible to apply for a Mathematics Specialist POSt. Admission will be based on academic performance in the required A-level courses, identified above. The admission requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enroll in backup programs.

For more information about the admission requirements, please visit the following CMS webpage.

Description of Proposed Changes:

1. The course MATD46H3 has been deleted so we are removing it from the MAT Spec & Major listing. MATC46H3 is a suitable replacement and is currently listed as an option.
2. Updating program entries to reflect the retirement of MATA67H3.
3. Removing MATA31H3 from POSt basket.

Rationale:

1. MATC46H3 and MATD46H3 are both introductions to partial differential equations and the department feels they have too much overlap. There are other related upper division courses which it would be preferable for students to take in lieu of two courses on partial differential equations.
2. MATA67H3 (cross-listed course) causes significant confusion among our students so we are reverting to just having one course code, CSCA67H3.
3. Removing MATA31H3 from POSt basket. At present, this course has complicated rules for when it can be repeated and when it cannot, in part because it is not predictive of outcomes.

Impact:

1. We anticipate little to no impact as there are many other upper division courses in the broader area of mathematical analysis which students can take.
2. No impact on students; CSCA67H3 remains intact.
3. None.

Consultations:

Approved by DCC on Sept. 10, 2024.

Resource Implications:

None

Proposal Status:

Under Review

SCSPE1165U: SPECIALIST (CO-OPERATIVE) PROGRAM IN MATHEMATICS - Comprehensive Stream (SCIENCE)

Description:

Academic Program Advisor: S. Calanza susan.calanza@utoronto.ca"
Co-op Program Coordinator: C. Dixon coopsuccess.utsc@utoronto.ca
MAT Specialist Program Supervisor: M. Cavers michael.cavers@utoronto.ca

The Specialist (Co-operative) Program in Mathematics is a Work Integrated Learning (WIL) program that combines academic studies with paid work terms in the public, private, and/or non-profit sectors. The program provides students with the opportunity to develop the academic and professional skills required to pursue employment in these areas, or to continue on to graduate training in an academic field related to Mathematics upon graduation.
In addition to their academic course requirements, students must successfully complete the additive Arts & Science Co-op Work Term and Course requirements.

The **Comprehensive Stream** provides a broad and deep knowledge of mathematics at the undergraduate level. It is the recommended program for students who plan to pursue graduate study in mathematics, but it is also suitable for other career paths.

Enrolment Requirements:

Enrolment Requirements

Enrolment in the Specialist (Co-operative) Program in Mathematics is limited. Students may apply to enter the program after completing 4.0 credits, and must meet the requirements described below:

1. Students already admitted to the UTSC Year 1 Mathematics admissions category:

Required Courses:

Students must have passed the following CSC and MAT courses: Students must have passed the following CSC and MAT courses:~~[~~CSCA08H3 ~~or CSCA20H3], [CSCA67H3/MATA67H3],~~ CSCA67H3, MATA22H3, MATA31H3, MATA37H3.

Required Grades:

Students that meet all of the following requirements will be admitted to a Mathematics Specialist POSt* of their choice:
a. A cumulative grade point average (CGPA) of at least 2.5 over the following courses: ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, ~~MATA31H3,~~ and MATA37H3; and
b. A final grade of at least B in two of the following: ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, and MATA37H3

* Students must select one stream of the Mathematics Specialist.

2. Students admitted to other UTSC Year 1 admissions categories:

Students that have been admitted to other CMS admissions categories (Computer Science or Statistics) or any other of the UTSC Year 1 admissions categories are eligible to apply for a Mathematics Specialist POSt. Admission will be based on academic performance in the required A-level courses, identified above. The admission requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enroll in backup programs.

For more information about the admission requirements, please visit the following CMS webpage.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits. Students must have completed the required A-level CSC and MAT courses, and achieved the required grades, described in the Enrolment Requirements for the Specialist in Mathematics. In addition, they must also have achieved a CGPA of at least 2.5 across all attempted courses.

Prospective Co-op Students:

Prospective students (i.e., those not yet admitted to a Co-op Degree POSt) must meet the enrolment requirements noted above and have a CGPA of at least 2.5 across all attempted courses.

Students must submit a program request on ACORN. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in the student's application not being considered.

Description of Proposed Changes:

1. Remove CSCA20H3 as an option under required courses.
2. Updating program entries to reflect the retirement of MATA67H3.
3. Removing MATA31 from POSt basket.

Rationale:

1. This is a housekeeping matter. The program states [CSCA08H3 or CSCA20H3] but this must be changed to CSCA08H3 only. The Math Major requires CSCA08H3 (not CSCA20H3) so the specialist must be at least this.

CSCA20 is not at a level which is appropriate for specialists and majors in CMS programs, it is intended as an introduction for programming for students in nontechnical majors.

Students in the non-coop specialist math program do not have the option of taking CSCA20.

Students in the co-op specialist math program should never have had the option of taking CSCA20 instead of CSCA08 --- at some point a mistake was made.

2. MATA67H3 (cross-listed course) causes significant confusion among our students so we are reverting to just having one course code, CSCA67H3.

3. Removing MATA31H3 from POSt basket. At present, this course has complicated rules for when it can be repeated and when it cannot, in part because it is not predictive of outcomes.

Impact:

1. Students will take a more appropriate programming course going forward.
2. No impact re: MATA67H3 retirement as CSCA67H3 remains intact.
3. None

Consultations:

Approved by DCC on Sept. 10, 2024.

Resource Implications:

None

Proposal Status:

Under Review

SCSPE11655M: SPECIALIST (CO-OPERATIVE) PROGRAM IN MATHEMATICS - Statistics Stream (SCIENCE)

Description:

Academic Program Advisor: S. Calanza susan.calanza@utoronto.ca"
Co-op Program Coordinator: C. Dixon coopsuccess.utsc@utoronto.ca
MAT Specialist Program Supervisor: M. Cavers michael.cavers@utoronto.ca

The Specialist (Co-operative) Program in Mathematics is a Work Integrated Learning (WIL) program that combines academic studies with paid work terms in the public, private, and/or non-profit sectors. The program provides students with the opportunity to develop the academic and professional skills required to pursue employment in these areas, or to continue on to graduate training in an academic field related to Mathematics upon graduation.
In addition to their academic course requirements, students must successfully complete the additive Arts & Science Co-op Work Term and Course requirements.
The **Statistics Stream** provides greater exposure to statistics, and the areas of mathematics most closely associated with it. This stream prepares students for careers in industry, or for graduate study in certain mathematically-oriented subjects, including statistics and financial mathematics.

Enrolment Requirements:

Enrolment Requirements

Enrolment in the Specialist (Co-operative) Program in Mathematics is limited. Students may apply to enter the program after completing 4.0 credits, and must meet the requirements described below:

1. Students already admitted to the UTSC Year 1 Mathematics admissions category:

Required Courses:

Students must have passed the following CSC and MAT courses: Students must have passed the following CSC and MAT courses:~~[~~CSCA08H3 ~~or CSCA20H3], [CSCA67H3/MATA67H3],~~ CSCA67H3, MATA22H3, MATA31H3, MATA37H3.

Required Grades:

Students that meet all of the following requirements will be admitted to a Mathematics Specialist POSt* of their choice:
a. A cumulative grade point average (CGPA) of at least 2.5 over the following courses: ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, ~~MATA31H3,~~ and MATA37H3; and
b. A final grade of at least B in two of the following: ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, and MATA37H3
*Students must select one stream of the Mathematics Specialist.

2. Students admitted to other UTSC Year 1 admissions categories:

Students that have been admitted to other CMS admissions categories (Computer Science or Statistics) or any other of the UTSC Year 1 admissions categories are eligible to apply for a Mathematics Specialist POSt. Admission will be based on academic performance in the required A-level courses, identified above.

The admission requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enroll in backup programs.

For more information about the admission requirements, please visit the following CMS webpage.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits. Students must have completed the required A-level CSC and MAT courses, and achieved the required grades, described in the Enrolment Requirements for the Specialist in Mathematics. In addition, they must also have achieved a CGPA of at least 2.5 across all attempted courses.

Prospective Co-op Students:
Prospective students (i.e., those not yet admitted to a Co-op Degree POSt) must meet the enrolment requirements noted above and have a CGPA of at least 2.5 across all attempted courses.

Students must submit a program request on ACORN. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in the student's application not being considered.

Description of Proposed Changes:

1. Remove CSCA20H3 as an option under required courses.
2. Updating program entries to reflect the retirement of MATA67H3.
3. Removing MATA31 from POSt basket.

Rationale:

1. This is a housekeeping matter. The program states [CSCA08H3 or CSCA20H3] but this must be changed to CSCA08H3 only. The Math Major requires CSCA08H3 (not CSCA20H3) so the specialist must be at least this.

CSCA20 is not at a level which is appropriate for specialists and majors in CMS programs, it is intended as an introduction for programming for students in nontechnical majors.

Students in the non-coop specialist math program do not have the option of taking CSCA20.

Students in the co-op specialist math program should never have had the option of taking CSCA20 instead of CSCA08 --- at some point a mistake was made.

2. MATA67H3 (cross-listed course) causes significant confusion among our students so we are reverting to just having one course code, CSCA67H3.

3. Removing MATA31H3 from POSt basket. At present, this course has complicated rules for when it can be repeated and when it cannot, in part because it is not predictive of outcomes.

Impact:

1. Students will take a more appropriate programming course going forward.
2. No impact re: MATA67H3 retirement as CSCA67H3 remains intact.
3. None

Consultations:

Approved by DCC on Sept. 10, 2024.

Resource Implications:

None

Proposal Status:

Under Review

SCSPE1166T: SPECIALIST (CO-OPERATIVE) PROGRAM IN MATHEMATICS - Teaching Stream (SCIENCE)

Description:

Academic Program Advisor: S. Calanza susan.calanza@utoronto.ca"
Co-op Program Coordinator: C. Dixon coopsuccess.utsc@utoronto.ca
MAT Specialist Program Supervisor: M. Cavers michael.cavers@utoronto.ca

The Specialist (Co-operative) Program in Mathematics is a Work Integrated Learning (WIL) program that combines academic studies with paid work terms in the public, private, and/or non-profit sectors. The program provides students with the opportunity to develop the academic and professional skills required to pursue employment in these areas, or to continue on to graduate training in an academic field related to Mathematics upon graduation.
In addition to their academic course requirements, students must successfully complete the additive Arts & Science Co-op Work Term and Course requirements.

The **Teaching Stream** is intended for students with a serious interest in mathematics but whose career objectives lie in mathematics education at the elementary or secondary level.

Enrolment Requirements:

Enrolment Requirements

Enrolment in the Specialist (Co-operative) Program in Mathematics is limited. Students may apply to enter the program after completing 4.0 credits, and must meet the requirements described below:

1. Students already admitted to the UTSC Year 1 Mathematics admissions category:

Required Courses:

Students must have passed the following CSC and MAT courses: ~~[~~CSCA08H3 ~~or CSCA20H3], [CSCA67H3/MATA67H3],~~ CSCA67H3, MATA22H3, MATA31H3, MATA37H3.

Required Grades:

Students that meet all of the following requirements will be admitted to a Mathematics Specialist POSt* of their choice:
a. A cumulative grade point average (CGPA) of at least 2.5 over the following courses: ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, ~~MATA31H3,~~ and MATA37H3; and
b. A final grade of at least B in two of the following: ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, and MATA37H3
*Students must select one stream of the Mathematics Specialist.

2. Students admitted to other UTSC Year 1 admissions categories:

Students that have been admitted to other CMS admissions categories (Computer Science or Statistics) or any other of the UTSC Year 1 admissions categories are eligible to apply for a Mathematics Specialist POSt. Admission will be based on academic performance in the required A-level courses, identified above. The admission requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enroll in backup programs.

For more information about the admission requirements, please visit the following CMS webpage.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits. Students must have completed the required A-level CSC and MAT courses, and achieved the required grades, described in the Enrolment Requirements for the Specialist in Mathematics. In addition, they must also have achieved a CGPA of at least 2.5 across all attempted courses.

Prospective Co-op Students:
Prospective students (i.e., those not yet admitted to a Co-op Degree POSt) must meet the enrolment requirements noted above and have a CGPA of at least 2.5 across all attempted courses.

Students must submit a program request on ACORN. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in the student's application not being considered.

Description of Proposed Changes:
1. Remove CSCA20H3 as an option under required courses.
2. Updating program entries to reflect the retirement of MATA67H3.
3. Removing MATA31 from POSt basket.

Rationale:
1. This is a housekeeping matter. The program states [CSCA08H3 or CSCA20H3] but this must be changed to CSCA08H3 only. The Math Major requires CSCA08H3 (not CSCA20H3) so the specialist must be at least this.

CSCA20 is not at a level which is appropriate for specialists and majors in CMS programs, it is intended as an introduction for programming for students in nontechnical majors.

Students in the non-coop specialist math program do not have the option of taking CSCA20.

Students in the co-op specialist math program should never have had the option of taking CSCA20 instead of CSCA08 --- at some point a mistake was made.

2. MATA67H3 (cross-listed course) causes significant confusion among our students so we are reverting to just having one course code, CSCA67H3.

3. Removing MATA31H3 from POSt basket. At present, this course has complicated rules for when it can be repeated and when it cannot, in part because it is not predictive of outcomes.

Impact:
1. Students will take a more appropriate programming course going forward.
2. No impact re: MATA67H3 retirement as CSCA67H3 remains intact.
3. None

Consultations:
Approved by DCC on Sept. 10, 2024.

Resource Implications:
None

Proposal Status:
Under Review

SCSPE2289F: SPECIALIST PROGRAM IN STATISTICS - Quantitative Finance Stream (SCIENCE)

Completion Requirements:

Program Requirements
To complete the program, a student must meet the course requirements described below.

The first-year requirements of the three streams are almost identical, except that the Quantitative Finance stream requires MGEA02H3 while the Statistical Machine Learning and Data Science stream requires CSCA48H3, and the Statistical Science stream requires STAA57H3; these courses need not be taken in the first year.

Note: There are courses on the St. George campus that can be taken to satisfy some of the requirements of the program. STAB52H3, STAB57H3, STAC62H3 and STAC67H3, however, must be taken at the University of Toronto Scarborough; no substitutes are permitted without permission of the program supervisor.

Core (7.5 credits)

1. Writing Requirement (0.5 credit) (*)
0.5 credit from the following: ANTA01H3, ANTA02H3, CTLA01H3, ENGA10H3, ENGA11H3, ENGB06H3, ENGB07H3, ENGB08H3, ENGB09H3,

ENGB17H3, ENGB19H3, ENGB50H3, GGRA02H3, GGRA03H3, GGRB05H3, ACMA01H3, LINA01H3, PHLA10H3, PHLA11H3, WSTA01H3.
(*) It is recommended that this requirement be satisfied by the end of the second year.

2. A-level courses (2.5 credits)
CSCA08H3 Introduction to Computer Science I
MATA22H3 Linear Algebra I or Mathematical Sciences
MATA31H3* Calculus I for Mathematical Sciences
MATA37H3* Calculus II for Mathematical Sciences
[(MATA67H3) or CSCA67H3 Discrete Mathematics]

3. B-level courses (2.5 credits)
MATB24H3 Linear Algebra II
MATB41H3 Techniques of the Calculus of Several Variables I
MATB61H3 Linear Programming and Optimization
STAB52H3 Introduction to Probability
STAB57H3 Introduction to Statistics

4. C-level courses (1.5 credits)
CSCC37H3 Introduction to Numerical Algorithms for Computational Mathematics
STAC62H3 Probability and Stochastic Processes I
STAC67H3 Regression Analysis

5. D-level courses (0.5 credit)
STAD37H3 Multivariate Analysis

Quantitative Finance Stream
This stream requires a total of 26 courses (13.0 credits). In addition to the core requirements, 11 other courses (5.5 credits) must be taken satisfying all of the following requirements:

6. Additional A-level courses (0.5 credit)
MGEA02H3 Introduction to Microeconomics: A Mathematical Approach

7. Additional B-level courses (2.0 credits)
~~ACTB40H3~~STAB40H3 Fundamentals of Investment and Credit
MATB42H3 Techniques of Calculus of Several Variables II
MATB44H3 Differential Equations I
STAB41H3 Financial Derivatives

8. Additional Upper-Level courses (3.0 credits)
MATC46H3 Differential Equations II
STAC70H3 Statistics and Finance I
STAD57H3 Time Series Analysis
STAD70H3 Statistics and Finance II
and
1.0 credit from the following:
CSCC11H3 Introduction to Machine Learning and Data Mining
MATC37H3 Introduction to Real Analysis
STAC51H3 Categorical Data Analysis
STAC58H3 Statistical Inference
STAC63H3 Probability and Stochastic Processes II
STAD68H3 Advanced Machine Learning and Data Mining
STAD92H3 Readings in Statistics
STAD93H3 Readings in Statistics
STAD94H3 Statistics Project
STAD95H3 Statistics Project
APM462H1 Nonlinear Optimization

Note: Students enrolled in this stream should also consider taking complementary courses in economics and finance (e.g. MGEA06H3, MGEB02H3, MGEB06H3, MGEC72H3), or the Minor in Economics for Management Studies.

Enrolment Requirements:

Enrolment Requirements

Enrolment in the Specialist in Statistics (all streams) is limited. Students may apply to enter the program after completing 4.0 credits, and must meet the requirements described below:

1. Students already admitted to the UTSC Year 1 Statistics admissions category:

Required Courses:

Students must have passed the following CSC and MAT courses:

a. All streams: CSCA08H3, ~~[~~CSCA67H3 ~~or MATA67H3]~~, MATA22H3, MATA31H3, and MATA37H3.
b. Machine Learning and Data Science stream only: CSCA48H3

Required Grades:

There are a limited number of available spaces in each stream of the Specialist in Statistics. Students that meet all of the following requirements will be eligible to be considered for one of the spaces in a Statistics Specialist POSt; admission will be based on academic performance in the required A-level courses, identified above. Students who meet all of the following requirements but are not admitted to the Specialist will be admitted to the Major in Statistics:
a. All streams: a cumulative grade point average (CGPA) of at least 2.5 over the following courses: CSCA08H3, ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, ~~MATA31H3,~~ and MATA37H3 and
b. For the Machine Learning and Data Science stream only: a final grade of at least B in CSCA48H3.

2. Students admitted to other UTSC Year 1 admissions categories:

Students that have been admitted to other CMS admissions categories (Computer Science or Mathematics) or any other UTSC Year 1 admissions categories are eligible to apply for a Statistics Specialist POSt. Admission will be based on academic performance in the required A-level courses, identified above. The requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enrol in backup programs.

For more information about the admission requirements, please visit the following CMS webpage.

Description of Proposed Changes:
1. ACTB40H3 course code is being replaced by STAB40H3 so we are updating our Stats program listings accordingly.
2. Updating program entries to reflect the retirement of MATA67H3.
3. Removing MATA31H3 from POSt basket.

Rationale:
1. Update program listing to change ACTB40H3 to STAB40H3.
2. MATA67H3 (cross-listed course) causes significant confusion among our students so we are reverting to just having one course code, CSCA67H3.
3. Removing MATA31H3 from POSt basket. At present, this course has complicated rules for when it can be repeated and when it cannot, in part because it is not predictive of outcomes.

Impact:
None.

Consultations:
Approved by DCC Sept. 10, 2024.

Resource Implications:
None

Proposal Status:
Under Review

SCSPE2289Z: SPECIALIST PROGRAM IN STATISTICS - Statistical Machine Learning and Data Science Stream (SCIENCE)

Completion Requirements:

Program Requirements
To complete the program, a student must meet the course requirements described below.

The first-year requirements of the three streams are almost identical, except that the Quantitative Finance stream requires MGEA02H3 while the Statistical Machine Learning and Data Science stream requires CSCA48H3, and the Statistical Science stream requires STAA57H3; these courses need not be taken in the first year.

Note: There are courses on the St. George campus that can be taken to satisfy some of the requirements of the program. STAB52H3, STAB57H3, STAC62H3 and STAC67H3, however, must be taken at the University of Toronto Scarborough; no substitutes are permitted without permission of the program supervisor.

Core (7.5 credits)

1. Writing Requirement (0.5 credit) (*)
0.5 credit from the following: ANTA01H3, ANTA02H3, CTLA01H3, ENGA10H3, ENGA11H3, ENGB06H3, ENGB07H3, ENGB08H3, ENGB09H3, ENGB17H3, ENGB19H3, ENGB50H3, GGRA02H3, GGRA03H3, GGRB05H3, ACMA01H3, LINA01H3, PHLA10H3, PHLA11H3, WSTA01H3.
(*) It is recommended that this requirement be satisfied by the end of the second year.

2. A-level courses (2.5 credits)
CSCA08H3 Introduction to Computer Science I
MATA22H3 Linear Algebra I or Mathematical Sciences
MATA31H3* Calculus I for Mathematical Sciences
MATA37H3* Calculus II for Mathematical Sciences
[(MATA67H3) or CSCA67H3 Discrete Mathematics]

3. B-level courses (2.5 credits)
MATB24H3 Linear Algebra II
MATB41H3 Techniques of the Calculus of Several Variables I
MATB61H3 Linear Programming and Optimization
STAB52H3 Introduction to Probability
STAB57H3 Introduction to Statistics

4. C-level courses (1.5 credits)
CSCC37H3 Introduction to Numerical Algorithms for Computational Mathematics
STAC62H3 Probability and Stochastic Processes I
STAC67H3 Regression Analysis

5. D-level courses (0.5 credit)
STAD37H3 Multivariate Analysis

Statistical Machine Learning and Data Science Stream
This stream requires a total of 26 courses (13.0 credits). In addition to the core requirements, 11 other courses (5.5 credits) must be taken satisfying all of the following requirements:

6. Additional A-level courses (0.5 credit)
CSCA48H3 Introduction to Computer Science II

7. Additional B-level courses (2.0 credits)
CSCB07H3 Software Design
[CSCB20H3 Introduction to Databases and Web Applications or STAA57H3 Introduction to Data Science]
CSCB36H3 Introduction to the Theory of Computation
CSCB63H3 Design and Analysis of Data Structures

8. Additional Upper Level courses (3.0 credits)
CSCC11H3 Introduction to Machine Learning and Data Mining
STAC58H3 Statistical Inference
[STAD68H3 Advanced Machine Learning and Data Mining or STAD78H3 Machine Learning Theory]
and
1.5 credits from the following (*):
Any C or D-level CSC, MAT or STA courses, excluding: STAC32H3, STAC53H3 and STAD29H3, 1.0 credit must be STA courses.
(*) Some of the courses on this list have prerequisites that are not included in this program; in choosing courses to satisfy this requirement, check the prerequisites carefully and plan accordingly.

Enrolment Requirements:

Enrolment Requirements

Enrolment in the Specialist in Statistics (all streams) is limited. Students may apply to enter the program after completing 4.0 credits, and must meet the requirements described below:

1. Students already admitted to the UTSC Year 1 Statistics admissions category:

Required Courses:

Students must have passed the following CSC and MAT courses:
a. All streams: CSCA08H3, ~~[~~CSCA67H3 ~~or MATA67H3]~~, MATA22H3, MATA31H3, and MATA37H3.
b. Machine Learning and Data Science stream only: CSCA48H3

Required Grades:

There are a limited number of available spaces in each stream of the Specialist in Statistics. Students that meet all of the following requirements will be eligible to be considered for one of the spaces in a Statistics Specialist POSt; admission will be based on academic performance in the required A-level courses, identified above. Students who meet all of the following requirements but are not admitted to the Specialist will be admitted to the Major in Statistics:
a. All streams: a cumulative grade point average (CGPA) of at least 2.5 over the following courses: CSCA08H3, ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, ~~MATA31H3,~~ and MATA37H3; and
b. For the Machine Learning and Data Science stream only: a final grade of at least B in CSCA48H3.

2. Students admitted to other UTSC Year 1 admissions categories:

Students that have been admitted to other CMS admissions categories (Computer Science or Mathematics) or any other UTSC Year 1 admissions categories are eligible to apply for a Statistics Specialist POSt. Admission will be based on academic performance in the required A-level courses, identified above. The requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enrol in backup programs.

For more information about the admission requirements, please visit the following CMS webpage.

Description of Proposed Changes:
1. Updating program entries to reflect the retirement of MATA67H3.
2. Removing MATA31 from POSt basket.

Rationale:
1. MATA67H3 (cross-listed course) causes significant confusion among our students so we are reverting to just having one course code, CSCA67H3.
2. Removing MATA31H3 from POSt basket. At present, this course has complicated rules for when it can be repeated and when it cannot, in part because it is not predictive of outcomes.

Impact:
1. No impact on students; CSCA67H3 remains intact.
2. None.

Consultations:
Approved by DCC on Sept. 10, 2024.

Resource Implications:
None

Proposal Status:
Under Review

SCSPE2279F: SPECIALIST PROGRAM IN STATISTICS - Statistical Science Stream (SCIENCE)

Completion Requirements:

Program Requirements
To complete the program, a student must meet the course requirements described below.

The first-year requirements of the three streams are almost identical, except that the Quantitative Finance stream requires MGEA02H3 while the Statistical Machine Learning and Data Science stream requires CSCA48H3, and the Statistical Science stream requires STAA57H3; these courses need not be taken in the first year.

Note: There are courses on the St. George campus that can be taken to satisfy some of the requirements of the program. STAB52H3, STAB57H3, STAC62H3 and STAC67H3, however, must be taken at the University of Toronto Scarborough; no substitutes are permitted without permission of the program supervisor.

Core (7.5 credits)

1. Writing Requirement (0.5 credit) (*)
0.5 credit from the following: ANTA01H3, ANTA02H3, CTLA01H3, ENGA10H3, ENGA11H3, ENGB06H3, ENGB07H3, ENGB08H3, ENGB09H3, ENGB17H3, ENGB19H3, ENGB50H3, GGRA02H3, GGRA03H3, GGRB05H3, ACMA01H3, LINA01H3, PHLA10H3, PHLA11H3, WSTA01H3.
(*) It is recommended that this requirement be satisfied by the end of the second year.

2. A-level courses (2.5 credits)
CSCA08H3 Introduction to Computer Science I
MATA22H3 Linear Algebra I or Mathematical Sciences
MATA31H3* Calculus I for Mathematical Sciences
MATA37H3* Calculus II for Mathematical Sciences
[(MATA67H3) or CSCA67H3 Discrete Mathematics]

3. B-level courses (2.5 credits)
MATB24H3 Linear Algebra II
MATB41H3 Techniques of the Calculus of Several Variables I
MATB61H3 Linear Programming and Optimization
STAB52H3 Introduction to Probability
STAB57H3 Introduction to Statistics

4. C-level courses (1.5 credits)
CSCC37H3 Introduction to Numerical Algorithms for Computational Mathematics
STAC62H3 Probability and Stochastic Processes I
STAC67H3 Regression Analysis

5. D-level courses (0.5 credit)
STAD37H3 Multivariate Analysis

Statistical Science Stream
This stream requires a total of 26 courses (13.0 credits). In addition to the core requirements, 11 other courses (5.5 credits) must be taken satisfying all of the following requirements:

6. Additional A-level courses (0.5 credit)
STAA57H3 Introduction to Data Science

7. Additional B-level courses (1.0 credit)
MATB42H3 Techniques of Calculus of Several Variables II
MATB44H3 Differential Equations I

8. Additional C-level courses (2.5 credits)
STAC33H3 Introduction to Applied Statistics
STAC50H3 Data Collection
STAC51H3 Categorical Data Analysis
STAC58H3 Statistical Inference
STAC63H3 Probability and Stochastic Processes II

9. Additional C- and D-level courses (1.0 credit)*
1.0 credit from the following:
CSCC11H3 Introduction to Machine Learning and Data Mining
MATC34H3 Complex Variables
MATC37H3 Introduction to Real Analysis (strongly recommended for students who wish to pursue graduate studies)
STAD68H3 Advanced Machine Learning and Data Mining
STAD78H3 Machine Learning Theory
STAD80H3 Analysis of Big Data
STAD92H3 Readings in Statistics
STAD93H3 Readings in Statistics
STAD94H3 Statistics Project
STAD95H3 Statistics Project
*Students should plan ahead when taking these courses to ensure that prerequisites are satisfied and, in the case of STAD92H3, STAD93H3, STAD94H3, and STAD95H3, that a faculty member has agreed to supervise the course (as this is not guaranteed).

10. Additional D-level courses (0.5 credit)
STAD57H3 Time Series Analysis

Enrolment Requirements:

Enrolment Requirements

Enrolment in the Specialist in Statistics (all streams) is limited. Students may apply to enter the program after completing 4.0 credits, and must meet the requirements described below:

1. Students already admitted to the UTSC Year 1 Statistics admissions category:

Required Courses:

Students must have passed the following CSC and MAT courses:

a. All streams: CSCA08H3, ~~[~~CSCA67H3 ~~or MATA67H3]~~, MATA22H3, MATA31H3, and MATA37H3.
b. Machine Learning and Data Science stream only: CSCA48H3

Required Grades:

There are a limited number of available spaces in each stream of the Specialist in Statistics. Students that meet all of the following requirements will be eligible to be considered for one of the spaces in a Statistics Specialist POSt; admission will be based on academic performance in the required A-level courses, identified above. Students who meet all of the following requirements but are not admitted to the Specialist will be admitted to the Major in Statistics:
a. All streams: a cumulative grade point average (CGPA) of at least 2.5 over the following courses: CSCA08H3, ~~CSC/MATA67H3~~CSCA67H3, MATA22H3, ~~MATA31H3,~~ and MATA37H3; and
b. For the Machine Learning and Data Science stream only: a final grade of at least B in CSCA48H3.

2. Students admitted to other UTSC Year 1 admissions categories:

Students that have been admitted to other CMS admissions categories (Computer Science or Mathematics) or any other UTSC Year 1 admissions categories are eligible to apply for a Statistics Specialist POSt. Admission will be based on academic performance in the required A-level courses, identified above. The requirements change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enrol in backup programs.

For more information about the admission requirements, please visit the following CMS webpage.

Description of Proposed Changes:
1. Updating program entries to reflect the retirement of MATA67H3.
2. Removing MATA31H3 from POSt basket.

Rationale:
1. MATA67H3 (cross-listed course) causes significant confusion among our students so we are reverting to just having one course code, CSCA67H3.
2. Removing MATA31H3 from POSt basket. At present, this course has complicated rules for when it can be repeated and when it cannot, in part because it is not predictive of outcomes.

Impact:
1. No impact on students; CSCA67H3 remains intact.
2. None.

Consultations:
Approved by DCC on Sept. 10, 2024.

Resource Implications:
None

Proposal Status:
Under Review

21 Course Modifications

ACTB40H3: Fundamentals of Investment and Credit

New Course Code:

~~ACTB40H3~~ STAB40H3

Description:

This course is concerned with the concept of financial interest. Topics covered include: interest, discount and present values, as applied to determine prices and values of annuities, mortgages, bonds, equities, loan repayment schedules and consumer finance payments in general, yield rates on investments given the costs on investments.

Exclusions:

(ACTB40H3), ACT240H, MGFB10H3

Rationale:

STAB40H3 will replace the [proposed to be retired] course ACTB40H3.

The course code ACT stands for Actuarial Science, as historically there were plans to launch an Actuarial Science program at UTSC. However, this program never materialized, leaving ACTB40H3: Fundamentals of Investment and Credit as the only ACT course offered at UTSC. This course mirrors ACT240H1: Mathematics of Investment & Credit, the first course in the Actuarial Science program at UTSG. Despite this alignment, UTSG does not recognize ACTB40H3 as a valid substitute for ACT240H1. Currently, ACTB40H3 serves as a requirement in the Quantitative Finance Stream of the Statistics Specialist and as an elective requirement in the Statistics Major.

The course code ACTB40H3 is misleading, as it suggests that the course is part of a broader Actuarial Science program at UTSC, or that it can be used as a substitute for ACT240H1 at UTSG. To eliminate any potential confusion and better reflect the course's actual content and role within the Statistics programs, it is proposed to change the course code from ACTB40H3 to STAB40H3. This change will clarify the course's role in Statistics programs of study and align the code with existing STA course offerings.

The proposed STAB40H3 will perfectly replicate ACTB40H3, so there will not be any changes in learning outcomes, structure, or resources.

Consultation:
Approved by DCC on Sept 10, 2024.
Course code approved by Registrar's Office (Amber) on October 22, 2024.

Resources:
None

Overlap with Existing Courses:
The course content overlaps with MGFB10H3, which is an exclusion.

Programs of Study for Which This Course Might be Suitable:
SPECIALIST PROGRAM IN STATISTICS - Quantitative Finance Stream (SCIENCE) - SCSPE2289F
SPECIALIST (CO-OPERATIVE) PROGRAM IN STATISTICS - Quantitative Finance Stream (SCIENCE) - SCSPE2299T
MAJOR PROGRAM IN STATISTICS (SCIENCE) - SCMAJ2289
MAJOR (CO-OPERATIVE) PROGRAM IN STATISTICS (SCIENCE) - SCMAJ2289C

Estimated Enrolment:
120

Instructor:
Sotirios Damouras/Jenny Gao

Proposal Status:
Under Review

CSCA67H3: Discrete Mathematics

Exclusions:
(MATA67H3), (CSCA65H3), CSC165H, CSC240H, MAT102H

Rationale:
Since MATA67H3 (cross-listed w/CSCA67H3) is being retired, we will add parentheses where this course is listed as an exclusion.

Consultation:
Approved by DCC Sept 10, 2024.

Resources:
None

Proposal Status:
Under Review

CSCB63H3: Design and Analysis of Data Structures

Corequisites:
STAB52H3

Rationale:
Adding STAB52H3 as a corequisite.

Statistical methods are frequently used in analyzing data structures and algorithms and by adding STAB52H3 as a corequisite, these topics can be more thoroughly explored in CSCB63H3.

Consultation:
Approved by DCC on September 10, 2024

Resources:
None

Proposal Status:
Under Review

CSCC24H3: Principles of Programming Languages

Prerequisites:
CSCB07H3 and CSCB09H3 and CSCB36H3 and [CGPA 3.5 or enrolment in a CSC Subject POSt]

Rationale:
Adding CSCB36H3 as a prerequisite.

CSCB36H3 covers regular and context-free languages and parts of automata theory. CSCC24H3 introduces various programming paradigms and languages, including design and implementation of their compilers and interpreters. Without knowledge of regular and context-free languages and automata theory, students will not be able to understand the parsing techniques used in design and implementation of compilers and interpreters.

Consultation:
Approved by DCC on September 10, 2024

Resources:
None

Proposal Status:
Under Review

CSCD92H3: Readings in Computer Science

Notes:

UTSC students interested in Computer Science reading or project courses must enroll using the following course codes: CSCD92H3, CSCD94H3 or CSCD95H3, regardless of whether these courses are instructed by faculty from UTSC, UTSG, or UTM.

Rationale:
Adding a note in the calendar description so UTSC students are aware that they must take UTSC courses regardless of whether these courses are instructed by faculty from UTSC, UTSG, or UTM.

Consultation:
Approved by DCC on September 10, 2024

Resources:
None

Proposal Status:
Under Review

CSCD94H3: Computer Science Project

Prerequisites:

[Three C-level CSC courses] and [permission of the Supervisor of Studies] and [CGPA 3.0 or enrolment in a CSC Subject POSt]
Enrolment procedures: Project supervisor's note of agreement must be presented to the Supervisor of Studies, who must issue permission for registration.

Notes:

UTSC students interested in Computer Science reading or project courses must enroll using the following course codes: CSCD92H3, CSCD94H3 or CSCD95H3, regardless of whether these courses are instructed by faculty from UTSC, UTSG, or UTM.

Rationale:
Adding a note in the calendar description so UTSC students are aware that they must take UTSC courses regardless of whether these courses are instructed by faculty from UTSC, UTSG, or UTM.

Consultation:
Approved by DCC on September 10, 2024

Resources:
None

Proposal Status:
Under Review

CSCD95H3: Computer Science Project

Notes:

UTSC students interested in Computer Science reading or project courses must enroll using the following course codes: CSCD92H3, CSCD94H3 or CSCD95H3, regardless of whether these courses are instructed by faculty from UTSC, UTSG, or UTM.

Rationale:
Adding a note in the calendar description so UTSC students are aware that they must take UTSC courses regardless of whether these courses are instructed by faculty from UTSC, UTSG, or UTM.

Consultation:
Approved by DCC on September 10, 2024

Resources:
None

Proposal Status:
Under Review

MATA34H3: Calculus for Management

Exclusions:

MATA29H3, MATA30H3, MATA31H3, MATA33H3, MATA35H3, MATA36H3, MATA37H3, MAT133Y

Rationale:
Adding additional exclusions to MATA34H3.

We offer several sequences of introductory calculus courses for various disciplines:
MATA34H3 is intended for management students.
MATA29H3/MATA35H3 for life sciences
MATA30H3/MATA36H3 for the physical sciences
MATA31H3/MATA37H3 for the mathematical sciences.

We are seeking to add other calculus sequences as exclusions to MATA34H3.

Consultation:
Approved by DCC on September 10, 2024

Resources:
None

Proposal Status:
Under Review

MATA37H3: Calculus II for Mathematical Sciences

Prerequisites:

MATA31H3 and [(MATA67H3) or CSCA67H3]

Exclusions:

(MATA21H3), (MATA33H3), ~~MATA34H3,~~ MATA35H3, MATA36H3, MAT123H, MAT124H, MAT125H, MAT126H, MAT133Y, MAT137H5 and MAT139H5, MAT157H5 and MAT159H5, JMB170Y

Rationale:

Removed MATA34H3 as an exclusion to MATA37H3.

MATA34H3 is a calculus course designed for management students while MATA37H3 is the second course in the MATA31H3/MATA37H3 calculus sequence for mathematical sciences. The second course in this sequence has very little overlap with MATA34H3 and should not be an exclusion.

Also, updated MATA67H3 to retired (brackets).

Consultation:

Approved by DCC on September 10, 2024

Resources:

None

Proposal Status:

Under Review

MATB43H3: Introduction to Analysis

Exclusions:

~~MAT246Y~~

Rationale:

Removed MAT246Y as an exclusion to MATB43H3.

MATB43H3 is a rigorous introduction to the field of mathematical analysis while MAT246Y is an introduction to proof which sometimes uses topics from analysis as examples, but is not principally concerned with mathematical analysis. There is little overlap between the two and MAT246Y should not be an exclusion for MATB43H3.

Consultation:

Approved by DCC on September 10, 2024

Resources:

None

Proposal Status:

Under Review

MATC82H3: Mathematics for Teachers

Prerequisites:

[(MATA67H3) or CSCA67H3 or (CSCA65H3)] and [MATA22H3 or MATA23H3] and [MATA37H3 or MATA36H3]

Rationale:

MATA67H3 is being retired, so we need to add brackets in the program entry.

Consultation:

Approved by DCC Sept 10, 2024

Resources:

None

Proposal Status:

Under Review

MATD01H3: Fields and Groups

Exclusions:

(MAT302H), MAT347Y, (MATC02H3), MAT401H

Rationale:

Added MAT401H as an exclusion to MATD01H3.

Both courses are introductions to Galois Theory and they have substantial overlap.

Consultation:

Approved by DCC on September 10, 2024

Resources:

None

Proposal Status:

Under Review

MATD92H3: Mathematics Project

Notes:

Notes:
1. UTSC students interested in Mathematics reading or project courses must enroll using the following course codes: MATD92H3, MATD93H3, MATD94H3, or MATD95H3, regardless of whether these courses are instructed by faculty from UTSC, UTSG, or UTM.
2. Enrolment procedures: the project supervisor's note of agreement must be presented to the Supervisor of Studies who will issue permission for registration.

Rationale:
Updating notes in the calendar description so UTSC students are aware that they must take UTSC courses regardless of whether these courses are instructed by faculty from UTSC, UTSG, or UTM.

Consultation:
Approved by DCC on September 10, 2024

Resources:
None

Proposal Status:
Under Review

MATD93H3: Mathematics Project

Notes:

Notes:
1. UTSC students interested in Mathematics reading or project courses must enroll using the following course codes: MATD92H3, MATD93H3, MATD94H3 or MATD95H3, regardless of whether these courses are instructed by faculty from UTSC, UTSG, or UTM.
2. Enrolment procedures: the project supervisor's note of agreement must be presented to the Supervisor of Studies who will issue permission for registration.

Rationale:
Updating notes in the calendar description so UTSC students are aware that they must take UTSC courses regardless of whether these courses are instructed by faculty from UTSC, UTSG, or UTM.

Consultation:
Approved by DCC on September 10, 2024

Resources:
None

Proposal Status:
Under Review

MATD94H3: Readings in Mathematics

Notes:

Notes:
1. UTSC students interested in Mathematics reading or project courses must enroll using the following course codes: MATD92H3, MATD93H3, MATD94H3 or MATD95H3, regardless of whether these courses are instructed by faculty from UTSC, UTSG, or UTM.
2. Enrolment procedures: the project supervisor's note of agreement must be presented to the Supervisor of Studies who will issue permission for registration.

Rationale:
Updating notes in the calendar description so UTSC students are aware that they must take UTSC courses regardless of whether these courses are instructed by faculty from UTSC, UTSG, or UTM.

Consultation:
Approved by DCC on September 10, 2024

Resources:
None

Proposal Status:
Under Review

MATD95H3: Readings in Mathematics

Notes:

Notes:
1. UTSC students interested in Mathematics reading or project courses must enroll using the following course codes: MATD92H3, MATD93H3, MATD94H3 or MATD95H3, regardless of whether these courses are instructed by faculty from UTSC, UTSG, or UTM.
2. Enrolment procedures: the project supervisor's note of agreement must be presented to the Supervisor of Studies who will issue permission for registration.>

Rationale:
Updating notes in the calendar description so UTSC students are aware that they must take UTSC courses regardless of whether these courses are instructed by faculty from UTSC, UTSG, or UTM.

Consultation:
Approved by DCC on September 10, 2024

Resources:
None

Proposal Status:
Under Review

STAB41H3: Financial Derivatives

Prerequisites:

[(ACTB40H3)/STAB40H3] or MGFB10H3

Rationale:
ACTB40H3 is being relabeled to STAB40H3 so we are updating this course's prerequisites.

Consultation:
Approved by DCC 10Sept2024

Resources:

None; will use resources previously allocated to ACTB40H3.

Proposal Status:
Under Review

STAD92H3: Readings in Statistics

Notes:

UTSC students interested in Statistics reading or project courses must enroll using the following course codes: STAD92H3, STAD93H3, STAD94H3 or STAD95H3, regardless of whether these courses are instructed by faculty from UTSC, UTSG, or UTM.

Rationale:
Updating notes in the calendar description so UTSC students are aware that they must take UTSC courses regardless of whether these courses are instructed by faculty from UTSC, UTSG, or UTM.

Consultation:
Approved by DCC on September 10, 2024

Resources:
None

Proposal Status:
Under Review

STAD93H3: Readings in Statistics

Notes:

UTSC students interested in Statistics reading or project courses must enroll using the following course codes: STAD92H3, STAD93H3, STAD94H3 or STAD95H3, regardless of whether these courses are instructed by faculty from UTSC, UTSG, or UTM.

Rationale:
Updating notes in the calendar description so UTSC students are aware that they must take UTSC courses regardless of whether these courses are instructed by faculty from UTSC, UTSG, or UTM.

Consultation:
Approved by DCC on September 10, 2024

Resources:
None

Proposal Status:
Under Review

STAD94H3: Statistics Project

Notes:

UTSC students interested in Statistics reading or project courses must enroll using the following course codes: STAD92H3, STAD93H3, STAD94H3 or STAD95H3, regardless of whether these courses are instructed by faculty from UTSC, UTSG, or UTM.

Rationale:
Updating calendar descriptions so the UTSC students are aware that they must take UTSC courses regardless of whether these courses are instructed by faculty from UTSC, UTSG or UTM.

Consultation:
Approved by DCC on September 10, 2024

Resources:
None

Proposal Status:
Under Review

STAD95H3: Statistics Project

Notes:

UTSC students interested in Statistics reading or project courses must enroll using the following course codes: STAD92H3, STAD93H3, STAD94H3 or STAD95H3, regardless of whether these courses are instructed by faculty from UTSC, UTSG, or UTM.

Rationale:
Updating calendar descriptions so the UTSC students are aware that they must take UTSC courses regardless of whether these courses are instructed by faculty from UTSC, UTSG or UTM.

Consultation:
Approved by DCC on September 10, 2024

Resources:
None

Proposal Status:
Under Review

3 Retired Courses

ACTB40H3: Fundamentals of Investment and Credit

Rationale:

Course code ACTB40H3 is being changed to STAB40H3 (proposal submitted).

The course code ACT stands for Actuarial Science, as historically there were plans to launch an Actuarial Science program at UTSC. However, this program never materialized, leaving ACTB40H3: Fundamentals of Investment and Credit as the only ACT course offered at UTSC. This course mirrors ACT240H1: Mathematics of Investment & Credit, the first course in the Actuarial Science program at UTSG. Despite this alignment, UTSG does not recognize ACTB40H3 as a valid substitute for ACT240H1. Currently, ACTB40H3 serves as a requirement in the Quantitative Finance Stream of the Statistics Specialist and as an elective requirement in the Statistics Major.

The course code ACTB40H3 is misleading, as it suggests that the course is part of a broader Actuarial Science program at UTSC, or that it can be used as a substitute for ACT240H1 at UTSG. To eliminate any potential confusion and better reflect the course's actual content and role within the Statistics programs, it is proposed to change the course code from ACTB40H3 to STAB40H3. This change will clarify the course's role in Statistics programs of study and align the code with existing STA course offerings.

Consultation:
Proposal approved by DCC: September 10, 2024

Resources:
None

Proposal Status:
Under Review

MATA67H3: Discrete Mathematics

Rationale:
MATA67H3 (cross-listed course) causes significant confusion among our students so we are reverting to just having one course code, CSCA67H3. Our program entries will be updated accordingly.

Consultation:
Approved by DCC Sept 10, 2024

Resources:
None

Proposal Status:
Under Review

MATD46H3: Partial Differential Equations

Rationale:
MATC46H3 and MATD46H3 are both introductions to partial differential equations and the department feels they have too much overlap. There are other related upper division courses which it would be preferable for students to take in lieu of two courses on partial differential equations.

We anticipate little to no impact as there are many other upper division courses in the broader area of mathematical analysis which students can take.

Consultation:
Approved by DCC on Sept. 10, 2024.

Resources:
None

Proposal Status:
Under Review

Global Development Studies (UTSC), Department of

1 Minor Program Modification

SCMINAFS: MINOR PROGRAM IN AFRICAN STUDIES (ARTS)

Completion Requirements:

Previous:
Program Requirements
Students must complete 4.0 credits, 1.0 credit of which must be at the C- or D-level

1. 0.5 credit as follows:
AFSA01H3/?HISA08H3 Africa in the World: An Introduction

2. 1.5 credits from the following (students should check course descriptions for prerequisites):
AFSA03H3/?IDSA02H3 Experiencing Development in Africa
AFSB01H3/?HISB52H3 African Religious Traditions Through History
AFSB05H3/?ANTB05H3 Culture and Society in Africa
AFSB50H3/?HISB50H3 Africa in the Era of the Slave Trade
AFSB51H3/?HISB51H3 Africa from the Colonial Conquests to Independence
AFSB54H3/?HISB54H3 Africa in the Postcolonial Era
AFSC03H3/IDSC03H3 Contemporary Africa: State, Society, and Politics
AFSC52H3/?HISC52H3/?VPHC52H3 Ethiopia: Seeing History
AFSC53H3/?WSTC10H3 Gender and Critical Development
AFSC55H3/?HISC55H3 War and Society in Modern Africa
AFSC70H3/?HISC70H3 The Caribbean Diaspora
AFSC97H3/(?HISC97H3)/WST Women and Power in Africa
AFSD07H3/?IDSD07H3 Extractive Industries in Africa
AFSD20H3/IDSD20H3 Thinking Conflict, Security, and Development
AFSD51H3/?HISD51H3 Southern Africa: Colonial Rule, Apartheid and Liberation
AFSD52H3/?HISD52H3 East African Societies in Transition
AFSD53H3/?GASD53H3/?HISD53H3 Africa and Asia in the First World War
GGRD09H3 Feminist Geographies
IDSD06H3 Feminist and Postcolonial Perspectives in Development Studies

3. 2.0 credits from the following list (students should check course descriptions for prerequisites):

Note: Though not required, students are encouraged to specialize in one of the areas of concentration below.

Africa the Continent
AFSA03H3/?IDSA02H3 Experiencing Development in Africa (if not used in Requirement 2)
AFSB05H3/?ANTB05H3 Culture and Society in Africa (if not used in Requirement 2)
AFSB50H3/?HISB50H3 Africa in the Era of the Slave Trade (if not used in Requirement 2)
AFSB51H3/?HISB51H3 Africa from the Colonial Conquests to Independence (if not used in Requirement 2)
AFSB54H3/?HISB54H3 Africa in the Postcolonial Era (if not used in Requirement 2)
AFSC03H3/IDSC03H3 Contemporary Africa: State, Society, and Politics (if not used in Requirement 2)
AFSC52H3/?HISC52H3/?VPHC52H3 Ethiopia: Seeing History (if not used in Requirement 2)
AFSC53H3/?WSTC10H3 Gender and Critical Development (if not used in Requirement 2)
AFSC55H3/?HISC55H3 War and Society in Modern Africa (if not used in Requirement 2)
AFSC97H3/?HISC97H3 Women and Power in Africa (if not used in Requirement 2)
AFSD07H3/?IDSD07H3 Extractive Industries in Africa (if not used in Requirement 2)
AFSD51H3/?HISD51H3 Southern Africa: Colonial Rule, Apartheid and Liberation (if not used in Requirement 2)
AFSD52H3/?HISD52H3 East African Societies in Transition (if not used in Requirement 2)
AFSD53H3/?GASD53H3/?HISD53H3 Africa and Asia in the First World War (if not used in Requirement 2)
(ANTC06H3) African Cultures and Societies II: Case Studies
ENGB22H3 Contemporary Literature from Africa
ENGD08H3 Topics in African Literature
GGRC25H3 Land Reform and Development
HISD50H3 Southern Africa: Conquest and Resistance, 1652-1900
POLC80H3 International Relations of Africa
VPHB50H3 Africa through the Photographic Lens
(VPHB65H3) Exhibiting Africa: Spectacle and the Politics of Representation
Note: We that students interests in courses from the above customer expanded their language skills in Swahili

The Black Diaspora
AFSC70H3/?HISC70H3 The Caribbean Diaspora (if not used in Requirement 2)
ENGB17H3 Contemporary Literature from the Caribbean
ENGC14H3 Black Canadian Literature
ENGD13H3 Rap Poetics
(ENGD61H3) James Baldwin, the African American Experience, and the Liberal Imagination
FREB28H3 The Francophone World
FREB35H3 Francophone Literature

FREC47H3 Pidgin and Creole Languages
FREC83H3 Cultural Identities and Stereotypes in the French-Speaking World
HISB02H3 The British Empire: A Short History
HISC08H3 Colonialism on Film
HISC09H3 Pirates of the Caribbean
HISC34H3 Race, Segregation, Protest: South Africa and the United States
HISC39H3 Hellhound on My Trail: Living the Blues in the Mississippi Delta, 1890-1945
HISC68H3 Constructing the Other: Orientalism through Time and Place
(HISD70H3) History of Empire and Foods
IDSC19H3/?AFSC19H3 Community-driven Development: Cooperatives, Social Enterprises and the Black Social Economy
IDSD16H3/?AFSD16H3 Africana Political Economy in Comparative Perspective
POLC31H3 Contemporary Africana Social and Political Philosophy
POLD74H3 The Black Radical Tradition

North Africa and the Middle East
CLAC05H3/?HISC10H3 Beyond Cleopatra: Decolonial Approaches to Ancient Egypt
ENGC51H3 Contemporary Arab Women Writers
HISC96H3 Language and Society in the Arab World
HISD57H3 Conflict in the Horn of Africa, 13th through 21st Centuries
HISD63H3 The Crusades: I
HISD64H3 The Crusades: II
(LGGA40H3) Introductory Modern Standard Arabic I
(LGGA41H3) Introductory Modern Standard Arabic II
(LGGB42H3) Intermediate Modern Standard Arabic I
(LGGB43H3) Intermediate Modern Standard Arabic II
(LGGB45H3) Modern Standard Arabic I for Students with Prior Background
POLC96H3 State Formation and Authoritarianism in the Middle East
POLC97H3 Protest Politics in the Middle East
SOCC29H3 Family and Gender in the Middle East
WSTC13H3 Women, Gender and Islam

Africa and Toronto
CITC01H3 Urban Communities and Neighbourhoods Case Study: East Scarborough
FREC10H3 Community-Based Learning in the Francophone Community
GGRC33H3 The Toronto Region
HISC45H3 Immigrants and Race Relations in Canadian History
SOCD21H3 Immigrant Scarborough
WSTB06H3 Women in Diaspora

Note: Not all courses in Requirement #2 and #3 are offered every year.

New:
Program Requirements
Students must complete 4.0 credits, 1.0 credit of which must be at the C- or D-level

1. 0.5 credit as follows:
AFSA01H3/?HISA08H3 Africa in the World: An Introduction

2. 1.5 credits from the following (students should check course descriptions for prerequisites):
AFSA03H3/?IDSA02H3 Experiencing Development in Africa
AFSB01H3/?HISB52H3 African Religious Traditions Through History
AFSB05H3/?ANTB05H3 Culture and Society in Africa
AFSB50H3/?HISB50H3 Africa in the Era of the Slave Trade
AFSB51H3/?HISB51H3 Africa from the Colonial Conquests to Independence
AFSB54H3/?HISB54H3 Africa in the Postcolonial Era
AFSC03H3/IDSC03H3 Contemporary Africa: State, Society, and Politics
AFSC52H3/?HISC52H3/?VPHC52H3 Ethiopia: Seeing History
AFSC55H3/?HISC55H3 War and Society in Modern Africa
AFSC70H3/?HISC70H3 The Caribbean Diaspora
AFSD07H3/?IDSD07H3 Extractive Industries in Africa
AFSD20H3/IDSD20H3 Thinking Conflict, Security, and Development
AFSD51H3/?HISD51H3 Southern Africa: Colonial Rule, Apartheid and Liberation
AFSD52H3/?HISD52H3 East African Societies in Transition
AFSD53H3/?GASD53H3/?HISD53H3 Africa and Asia in the First World War
GGRD09H3 Feminist Geographies
IDSD06H3 Feminist and Postcolonial Perspectives in Development Studies

3. 2.0 credits from the following list (students should check course descriptions for prerequisites):

Note: Though not required, students are encouraged to specialize in one of the areas of concentration below.

Africa the Continent
AFSA03H3/?IDSA02H3 Experiencing Development in Africa (if not used in Requirement 2)
AFSB05H3/?ANTB05H3 Culture and Society in Africa (if not used in Requirement 2)
AFSB50H3/?HISB50H3 Africa in the Era of the Slave Trade (if not used in Requirement 2)
AFSB51H3/?HISB51H3 Africa from the Colonial Conquests to Independence (if not used in Requirement 2)

AFSB54H3/?HISB54H3 Africa in the Postcolonial Era (if not used in Requirement 2)
AFSC03H3/IDSC03H3 Contemporary Africa: State, Society, and Politics (if not used in Requirement 2)
AFSC52H3/?HISC52H3/?VPHC52H3 Ethiopia: Seeing History (if not used in Requirement 2)
AFSC55H3/?HISC55H3 War and Society in Modern Africa (if not used in Requirement 2)
AFSD07H3/?IDSD07H3 Extractive Industries in Africa (if not used in Requirement 2)
AFSD51H3/?HISD51H3 Southern Africa: Colonial Rule, Apartheid and Liberation (if not used in Requirement 2)
AFSD52H3/?HISD52H3 East African Societies in Transition (if not used in Requirement 2)
AFSD53H3/?GASD53H3/?HISD53H3 Africa and Asia in the First World War (if not used in Requirement 2)
(ANTC06H3) African Cultures and Societies II: Case Studies
ENGB22H3 Contemporary Literature from Africa
ENGD08H3 Topics in African Literature
GGRC25H3 Land Reform and Development
HISD50H3 Southern Africa: Conquest and Resistance, 1652-1900
POLC80H3 International Relations of Africa
VPHB50H3 Africa through the Photographic Lens
(VPHB65H3) Exhibiting Africa: Spectacle and the Politics of Representation
Note: We that students interests in courses from the above customer expanded their language skills in Swahili

The Black Diaspora
AFSC70H3/?HISC70H3 The Caribbean Diaspora (if not used in Requirement 2)
ENGB17H3 Contemporary Literature from the Caribbean
ENGC14H3 Black Canadian Literature
ENGD13H3 Rap Poetics
(ENGD61H3) James Baldwin, the African American Experience, and the Liberal Imagination
FREB28H3 The Francophone World
FREB35H3 Francophone Literature
FREC47H3 Pidgin and Creole Languages
FREC83H3 Cultural Identities and Stereotypes in the French-Speaking World
HISB02H3 The British Empire: A Short History
HISC08H3 Colonialism on Film
HISC09H3 Pirates of the Caribbean
HISC34H3 Race, Segregation, Protest: South Africa and the United States
HISC39H3 Hellhound on My Trail: Living the Blues in the Mississippi Delta, 1890-1945
HISC68H3 Constructing the Other: Orientalism through Time and Place
(HISD70H3) History of Empire and Foods
IDSC19H3/?AFSC19H3 Community-driven Development: Cooperatives, Social Enterprises and the Black Social Economy
IDSD16H3/?AFSD16H3 Africana Political Economy in Comparative Perspective
POLC31H3 Contemporary Africana Social and Political Philosophy
POLD74H3 The Black Radical Tradition

North Africa and the Middle East
CLAC05H3/?HISC10H3 Beyond Cleopatra: Decolonial Approaches to Ancient Egypt
ENGC51H3 Contemporary Arab Women Writers
HISC96H3 Language and Society in the Arab World
HISD57H3 Conflict in the Horn of Africa, 13th through 21st Centuries
HISD63H3 The Crusades: I
HISD64H3 The Crusades: II
(LGGA40H3) Introductory Modern Standard Arabic I
(LGGA41H3) Introductory Modern Standard Arabic II
(LGGB42H3) Intermediate Modern Standard Arabic I
(LGGB43H3) Intermediate Modern Standard Arabic II
(LGGB45H3) Modern Standard Arabic I for Students with Prior Background
POLC96H3 State Formation and Authoritarianism in the Middle East
POLC97H3 Protest Politics in the Middle East
SOCC29H3 Family and Gender in the Middle East
WSTC13H3 Women, Gender and Islam

Africa and Toronto
CITC01H3 Urban Communities and Neighbourhoods Case Study: East Scarborough
FREC10H3 Community-Based Learning in the Francophone Community
GGRC33H3 The Toronto Region
HISC45H3 Immigrants and Race Relations in Canadian History
SOCD21H3 Immigrant Scarborough
WSTB06H3 Women in Diaspora

Note: Not all courses in Requirement #2 and #3 are offered every year.

Description:

Previous:
Program Coordinator: Arifa Akhter Nitol Email: arifa.nitol@utoronto.ca

New:
Program Coordinator Email: gds-advisor@utsc.utoronto.ca

Description of Proposed Changes:
1. Requirement 3: AFSC97H3/HCSC97H3 has been retired and removed.
2. In the program description, updated the personal email address with the generic email address.

Rationale:
The Curriculum Committee of HCS has decided to remove HISC97H3 from History course offerings and the department has therefore decided to remove the double numbered courses from these requirements and eliminated the double numbering between these revised courses. The AFS committee will be reviewing courses in the coming year(s) and will find courses that are more appropriate for departmental students.

Impact: None

Consultations: DCC Approved: Dec 13, 2024

Resource Implications: None

Proposal Status: Under Review

7 Course Modifications

AFSA01H3: Africa in the World: An Introduction

Description:

Previous: An interdisciplinary introduction to the history and development of Africa with Africa's place in the wider world a key theme. Students critically engage with African and diasporic histories, cultures, social structures, economies, and belief systems. Course material is drawn from Archaeology, History, Geography, Literature, Film Studies, and Women's Studies.
Same as HISA08H3

New: An interdisciplinary introduction to the history and development of Africa with Africa's place in the wider world a key theme. Students critically engage with African and diasporic histories, cultures, social structures, economies, and belief systems. Course material is drawn from Archaeology, History, Geography, Literature, Film Studies, and Women's Studies.
Same as (HISA08H3)

Exclusions:

Previous: HISA08H3, NEW150Y

New: (HISA08H3), AFR150Y1 (NEW150Y1)

Rationale:
HCS is retiring HISA08H3 as this course is no longer being taught by Historians. As such we are removing the double numbering with HISA08H3 and left it in for records. Updated the course number for NEW150Y1 as St. George has changed the course title of it too.

Consultation: DCC Approval: December 13, 2024

Resources: None

Proposal Status: Under Review

AFSB50H3: Africa in the Era of the Slave Trade

Prerequisites:

Previous: Any modern history course, or AFSA01H3

New:

Recommended Preparation:

Previous:

New: 0.5 credit in a AFS or ANT or CLA or IDS or GEO or GAS or HIS or POL or SOC or WST course

Rationale:
HCS has removed the prerequisites and instead has added recommended preparation to make the course accessible to students from various disciplines, allowing it to fulfill elective or program requirements. AFS is making these changes to ensure consistency with the double numbering.

Consultation: DCC Approval: Dec 13, 2024

Resources: None

Proposal Status: Under Review

AFSB54H3: Africa in the Postcolonial Era

Prerequisites:

Previous: AFSA01H3 or AFSB51H3 or 0.5 credit in Modern History

New:

Recommended Preparation:

Previous:

New: 0.5 credit in a AFS or ANT or CLA or IDS or GEO or GAS or HIS or POL or SOC or WST course

Rationale:
The prerequisites have been removed, and instead recommended preparation have added to make the course accessible to students from various disciplines, allowing it to fulfill elective or program requirements.

Consultation: DCC Approval: Dec 13, 2024

Resources: None

Proposal Status: Under Review

AFSD51H3: Southern Africa: Colonial Rule, Apartheid and Liberation

Prerequisites:

Previous: 8.0 credits including AFSB51H3/HISB51H3 or HISD50H3

New: 8.0 credits including HISB50H3/AFSB50H3 or HISB51H3/AFSB51H3 or HISB54H3/AFSB54H3 or HISC55H3/AFSC55H3

Rationale:
The prerequisites have been updated to add additional courses to make the course accessible to students in History or African Studies disciples.

Consultation: DCC Approval: Dec 13, 2024

Resources: None

Proposal Status: Under Review

AFSD52H3: East African Societies in Transition

Prerequisites:

Previous: 8.0 credits including AFSB50H3/HISB50H3 or AFSB51H3/HISB51H3 or HISC55H3

New: 8.0 credits including HISB50H3/AFSB50H3 or HISB51H3/AFSB51H3 or HISB54H3/AFSB54H3 or HISC55H3/AFSC55H3

Rationale:
The prerequisites have been updated to add additional courses to make the course accessible to students in History or African Studies disciples.

Consultation: DCC Approval: Dec 13, 2024

Resources: None

Proposal Status: Under Review

AFSB01H3: African Religious Traditions Through History

Recommended Preparation:

Previous: AFSA01H3/HISA08H3

New: 0.5 credit in a AFS or ANT or CLA or IDS or GEO or GAS or HIS or POL or SOC or WST course

Rationale:
The double-numbered course previously had no prerequisites. HCS has added recommended preparation to ensure accessibility for students from various disciplines, allowing it to fulfill elective or program requirements.

Consultation: DCC Approval: Dec 13, 2024

Resources: None

Proposal Status: Under Review

AFSB51H3: Africa from the Colonial Conquests to Independence

Recommended Preparation:

Previous: AFSA01H3/HISA08H3 or AFSB50H3 or HISB50H3 strongly recommended.

New: 0.5 credit in a AFS or ANT or CLA or IDS or GEO or GAS or HIS or POL or SOC or WST course. AFSB50H3/HISB50H3 strongly recommended

Rationale:
The double numbered course previously had no prerequisites, and now HCS has added recommended preparation to ensure accessibility for students from various disciplines, allowing it to fulfill elective or program requirements.

Consultation: DCC Approval: Dec 13, 2024

Resources: None

Proposal Status: Under Review

2 Retired Courses

AFSC97H3: Women and Power in Africa

Rationale:
After careful consideration, the Curriculum Committee of HCS has decided to remove HISC97H3 from History course offerings. The committee believes that the course content aligns more closely with the objectives of Women's and Gender Studies (WST).This course code will be retired, and the course will be retained under the Women’s and Gender Studies program with a WST prefix. This change aligns the course more appropriately with the Women’s and Gender Studies curriculum. AFS has decided to retire this course to reflect the change.

Consultation: DCC Approval: Dec 13, 2024

Resources: None

Proposal Status: Under Review

Health and Society (UTSC), Department of

1 Program Modification

SCMINAGS: MINOR PROGRAM IN AGING AND SOCIETY (ARTS)

Completion Requirements:

Program Requirements
This program requires the completion of 4.5 credits, as follows:

1. 1.5 credits in Foundations as follows:
HLTA02H3 Exploring Health and Society: Theories, Perspectives, and Patterns
HLTA03H3 Navigating Health and Society: Research, Practice, and Policy

and one of the following:

HLTA20H3 Physiology Through the Life Course: From Birth Through Death*
HLTB15H3 Health Research Methodology

2. 1.5 credits in Core Concepts as follows:
HLTB24H3 Aging with Agility
HLTB40H3 Health Policy and Health Systems

and one of the following:

HLTB22H3 Biological Determinants of Health*
HLTB41H3 Social Determinants of Health

3. 1.5 credits in Aging and Society in Practice as follows:
HLTC22H3 Health, Aging, and the Life Cycle

and two of the following:

HLTC19H3 Chronic Diseases*
HLTC42H3 Emerging Health Issues and Policy Needs*
HLTC43H3 Politics of Canadian Health Policy*
HLTC44H3 Comparative Health Policy Systems*
HLTC53H3 Creative Research Practices in Aging*
HLTC81H3 Health Professions and Practice*
HLTD26H3 Embodiment Across the Life Course*

* Students who choose to combine the Minor in Aging and Society with either the Major/Major Co-op in Health ~~Studies – Health~~ Policy or the Major/Major Co-op in ~~Health Studies –~~ Population Health are cautioned that, in accordance with degree regulations, they must ensure that the combination of programs used to meet the degree requirement include a minimum of 12.0 distinct credits.

In particular:

Students who combine the Minor with the Major/Major Co-op in Health ~~Studies – Health~~ Policy:

• Must complete one of HLTA20H3 or HLTB22H3.
• May apply the following to the completion of either the Major OR the Minor, but not both: HLTC19H3, HLTC42H3, HLTC43H3, HLTC44H3, HLTC53H3, HLTC81H3, and/or HLTD26H3.

Students who combine the Minor with the Major/Major Co-op in ~~Health Studies –~~ Population Health may apply the following courses to the completion of either the Major OR the Minor, but not both: HLTC19H3, HLTC81H3, and/or HLTD26H3.

Description:

The Minor in Aging and Society provides an interdisciplinary exploration of the aging process and individuals across the life course. This includes the study of social, mental, and physical changes in people as they age, the investigation of changes in society resulting from our aging population, and the application of this knowledge to policies and programs. This interdisciplinary Minor program is open to all undergraduate students regardless of major or disciplinary backgrounds. Students who choose to combine this Minor with a Major in Health Policy (BA) or Population Health ~~Sciences~~ (BSc) must take care to ensure that no more than 2.0 credits are used to satisfy the requirements of both this Minor and their Major. Additional course guidance for these students is provided below.
Note: Relevant aging-related courses selected from other academic units and disciplines not listed below, may be approved for the Minor in Aging and Society on a case-by-case basis. Please contact DHS Undergraduate Advising to request approval for such courses prior to registering in them.

Description of Proposed Changes:
Editorial in program description

Rationale:
Editorial in program description (updating program titles of Major in Health Policy (BA) or Population Health (BSc))

Impact:
None

Consultations:
NA

Resource Implications:
None

Proposal Status:
Under Review

19 Course Modifications

HLTC27H3: Community Health and Epidemiology

Description:

Epidemiology is the study ~~or~~ of the pattern and causes of health-related outcomes and the application of findings to improve~~ment of~~ public health. This course will examine the history of epidemiology and its principles and terminology, measures of disease occurrence, study design, and application of concepts to specific research areas.

Prerequisites:

[HLTB15H3 and HLTB16H3 and ~~STAB23H3~~ HLTB27H3] or [enrolment in the Certificate in Computational Social Science]

Rationale:
Grammatical corrections of the course description for clarity, coherence, and accuracy.

We are seeking to add HLTB27H3 Applied Statistics for Public Health as a pre-requisite for HLTC27H 3. HLTB27H3 was developed over a period of two years to help address the numerical deficiency students were facing in HLTC27H3 and is designed to help lay a foundation for them by introducing them to statistical concepts in the context of public health. The DCC has scaffolded carefully to ensure that students are better prepared to be successful in HLTC27H3, and HLTB27H3 is integral in ensuring this success.

HLTB27H3 was approved in last year's curriculum cycle, but it was recommended that we wait until this year to add it in as a program requirement and as a pre-requisite to this course pending the DHS external review (March 2024).

This course will equip students with the foundational skills essential for interpreting epidemiological data. Additionally, the external review made mention of students desire to see the development of some specific skills or knowledge including advanced epidemiology, biostatistics, and data programming, and HLTB27H3 is poised to be foundational in these prospective areas of study.

Consultation:
DCC: October 10, 2024

Resources:
None

Proposal Status:
Under Review

HLTD06H3: Migration, Medicine, and the Law

Prerequisites:

~~HLTB42H3~~1.5 credits from the following: ANTC24H3, ANTC61H3, HLTC02H3, HLTC20H3, HLTC46H3, or IDSC11H3

Recommended Preparation:

HLTB42H3

Rationale:
We are moving the current pre-requisite of HLTB42H3 down to recommended preparation as we have chosen to list C-level pre-requisites for this D-level course. This will give students a better foundation for what will be expected in a D-level seminar style course.

Consultation:
DCC: October 10, 2024

Resources:
None

Proposal Status:
Under Review

HLTD07H3: Advanced Rehabilitation Sciences: Disability Studies and Lived Experiences of 'Normalcy'

Prerequisites:

HLTC17H3 and an additional 1.~~5~~0 credit~~s~~ at the C-level in HLT courses from the program requirements from one of the Major/Major Co-op programs in Health and Society

Rationale:
We are reducing the amount of C-level HLT pre-requisites needed to enter this course. In the cycle for 24/25 curriculum submissions, the Dean's Office pointed out to us the inconsistencies in our D-level pre-requisite structure and it was suggested that we consider making the necessary amendments in this curriculum cycle.

Consultation:
DCC: October 10, 2024

Resources:
None

Proposal Status:
Under Review

HLTD08H3: Advanced Topics in Health Sciences

Prerequisites:

[HLTC27H3] and an additional [1.50 credits at the C-Level from the program requirements from the Major/Major Co-op programs in ~~Health Studies~~ Population Health]

Rationale:

We are reducing the amount of C-level HLT pre-requisites needed to enter this course. In the cycle for 24/25 curriculum submissions, the Dean's Office pointed out to us the inconsistencies in our D-level pre-requisite structure and it was suggested that we consider making the necessary amendments in this curriculum cycle.

We have been given approval to drop the 'Health Studies' prefix from our program names given discussions with the Vice Dean Teaching and Undergraduate and other senior administration on campus. This needs to be reflected in the pre-requisite structure of this particular course.

Consultation:

DCC: October 10, 2024
Conversation with Vice Dean Undergraduate (Katie Larson) about the program name change idea: October 12, 2024
Michelle Silver conversation with Suzanne Sicchia re program name change: October 30, 2024

Resources:

None

Proposal Status:

Under Review

HLTD09H3: Population Perspectives on Reproductive Health

Prerequisites:

HLTC27H3 and 1.50 credits at the C-level in HLT courses from the requirements of the Major/Major Co-op programs in ~~Health Studies~~ Population Health

Rationale:

We are reducing the amount of C-level HLT pre-requisites needed to enter this course. In the cycle for 24/25 curriculum submissions, the Dean's Office pointed out to us the inconsistencies in our D-level pre-requisite structure and it was suggested that we consider making the necessary amendments in this curriculum cycle.

We have been given approval to drop the 'Health Studies' prefix from our program names given discussions with the Vice Dean Teaching and Undergraduate and other senior administration on campus. This needs to be reflected in the pre-requisite structure of this particular course.

Consultation:

DCC: October 10, 2024
Conversation with Vice Dean Undergraduate (Katie Larson) about the program name change idea: October 12, 2024
Michelle Silver conversation with Suzanne Sicchia re program name change: October 30, 2024

Resources:

None

Proposal Status:

Under Review

HLTD11H3: Program and Policy Evaluation

Prerequisites:

[[STAB22H3 or STAB23H3] and [0.5 credit from HLTC42H3, HLTC43H3, HLTC44H3] and [an additional 1.0 credit at the C-level from courses from the Major/Major Coop programs in ~~Health Studies~~ Health Policy]] or [10.0 credits and [SOCB05H3 and SOCB35H3] and [1.0 credit from the following: SOCB30H3, SOCB42H3, SOCB43H3, or SOCB47H3]]

Rationale:

We have been given approval to drop the 'Health Studies' prefix from our program names given discussions with the Vice Dean Teaching and Undergraduate and other senior administration on campus. This needs to be reflected in the pre-requisite structure of this particular course.

Consultation:

Conversation with Vice Dean Undergraduate (Katie Larson) about the program name change idea: October 12, 2024
Michelle Silver conversation with Suzanne Sicchia re program name change: October 30, 2024

Resources:

None

Proposal Status:

Under Review

HLTD13H3: Advanced Topics in Global Health and Human Biology

Prerequisites:

HLTC26H3 and an additional 1.0 credits at the C-level from the program requirements from the Major/Major Co-op programs in ~~Health Studies~~ Population Health

Rationale:

We have been given approval to drop the 'Health Studies' prefix from our program names given discussions with the Vice Dean Teaching and Undergraduate and other senior administration on campus. This needs to be reflected in the pre-requisite structure of this particular course.

Consultation:

DCC: October 10, 2024
Conversation with Vice Dean Undergraduate (Katie Larson) about the program name change idea: October 12, 2024
Michelle Silver conversation with Suzanne Sicchia re program name change: October 30, 2024

Resources:

None

Proposal Status:

Under Review

HLTD18H3: Dental Sciences

Prerequisites:

[HLTB44H3, HLTC19H3, HLTC23H3 and 0.5 credit in any Physiology course] or [BIOC32H3 and BIOC34H3]

Recommended Preparation:

ANTC47H3, ANTC48H3, BIOB33H3, and a working background in chemistry, biochemistry, genetics, and principles of inheritance would be beneficial

Notes:

~~Priority will be given to students in the Population Health Major Program~~

Rationale:

This course is offered at UTSG with PSL300H1 and PSL301H1 as the main pre-requisites. The UTSC equivalent of these are BIOC32H3 and BIOC34H3. We would like to add the BIO suite of pre-requisites to the course as BIO has listed this course as an option in their Human Biology program.

We are removing the note portion as the course is only listed as an option for Population Health students. The enrollment controls will help to police that change.

Consultation:

DCC: October 10, 2024
BIO SCI: September and October 2024 (various dates)

Resources:

NA

Proposal Status:

Under Review

HLTD20H3: Advanced Topics in Sex, Gender, and the Life Course

Description:

Prerequisites:

1.5 credits at the C-level from the program requirements from the Major/Major Co-op programs in ~~Health Studies~~ Population Health

Rationale:

We have been given approval to drop the 'Health Studies' prefix from our program names given discussions with the Vice Dean Teaching and Undergraduate and other senior administration on campus. This needs to be reflected in the pre-requisite structure of this particular course.

Consultation:

DCC: October 10, 2024
Conversation with Vice Dean Undergraduate (Katie Larson) about the program name change idea: October 12, 2024
Michelle Silver conversation with Suzanne Sicchia re program name change: October 30, 2024

Resources:

None

Proposal Status:

Under Review

HLTD21H3: Advanced Topics in Health and Society

Prerequisites:

~~1.5 credits at the C-level from the program requirements from the Major/Major Co-op programs in Health and Society~~ 1.5 credits at the C-level from the program requirements from the Major/Major Co-op programs in Health and Society

Rationale:

Editorial- remove unnecessary underline in prerequisites.

Consultation:

DCC: October 10, 2024

Resources:

None

Proposal Status:

Under Review

HLTD22H3: Advanced Topics in Health and Society

Prerequisites:

~~1.5 credits at the C-level from the program requirements from the Major/Major Co-op programs in Health and Society~~ 1.5 credits at the C-level from the program requirements from the Major/Major Co-op programs in Health and Society

Rationale:

Editorial- remove unnecessary underline in prerequisites.

Consultation:

DCC: October 10, 2024

Resources:

None

Proposal Status:

Under Review

HLTD23H3: Indigenous Peoples: Pandemics, Epidemics, and Outbreaks

Prerequisites:

HLTC25H3 and 1.0 credit at the C-level from the program requirements from the Major/Major Co-op programs in ~~Health Studies~~ Population Health

Rationale:

We have been given approval to drop the 'Health Studies' prefix from our program names given discussions with the Vice Dean Teaching and Undergraduate and other senior administration on campus. This needs to be reflected in the pre-requisite structure of this particular course.

Consultation:

DCC: October 10, 2024
Conversation with Vice Dean Undergraduate (Katie Larson) about the program name change idea: October 12, 2024
Michelle Silver conversation with Suzanne Sicchia re program name change: October 30, 2024

Resources:

None

Proposal Status:

Under Review

HLTD27H3: Food Security, Food Sovereignty, and Health

Prerequisites:

HLTC26H3 and an additional 1.0 credit at the C-level ~~from the program requirements from the Major/Major Co-op programs in Health Studies - Population Health~~ from the program requirements from the Major/Major Co-op programs in Population Health

Rationale:

1. Editorial- remove unnecessary underline in prerequisites.
2. We have been given approval to drop the 'Health Studies' prefix from our program names given discussions with the Vice Dean Teaching and Undergraduate and other senior administration on campus. This needs to be reflected in the pre-requisite structure of this particular course.

Consultation:

DCC: October 10, 2024
Conversation with Vice Dean Undergraduate (Katie Larson) about the program name change idea: October 12, 2024
Michelle Silver conversation with Suzanne Sicchia re program name change: October 30, 2024

Resources:

None

Proposal Status:

Under Review

HLTD28H3: Innovations for Global Health

Prerequisites:

HLTC26H3 and an additional 1.0 credit at the C-level ~~from the program requirements from the Major/Major Co-op programs in Health and Society~~ from the program requirements from the Major/Major Co-op programs in Health and Society

Rationale:

Remove underline that was in prerequisites.

Consultation:

DCC: October 10, 2024

Resources:

None

Proposal Status:

Under Review

HLTD29H3: Advanced Topics in Inequality, Inequity, and Health

Prerequisites:

~~Completion of~~ 1.5 credits at the C-level ~~from the program requirements from the Major/Major Co-op programs in Health and Society~~ from the program requirements from the Major/Major Co-op programs in Health and Society

Rationale:

Removal of “Completion of” and the underline in the prerequisites to ensure consistency with the prerequisite language used in other D-level courses.

Consultation:

N/A

Resources:

None

Proposal Status:

Under Review

HLTD40H3: The Politics of Care, Self-Care, and Mutual Aid

Prerequisites:

1.5 credits at the C-level ~~from the program requirements from the Major/Major Co-op programs in Health Studies – Health Policy~~ from the program requirements from the Major/Major Co-op programs in Health Policy

Rationale:

1. Remove underline that was in prerequisites.
2. We have been given approval to drop the 'Health Studies' prefix from our program names given discussions with the Vice Dean Teaching and Undergraduate and other senior administration on campus. This needs to be reflected in the pre-requisite structure of this particular course.

Consultation:
DCC: October 10, 2024
Conversation with Vice Dean Undergraduate (Katie Larson) about the program name change idea: October 12, 2024
Michelle Silver conversation with Suzanne Sicchia re program name change: October 30, 2024

Resources:
None

Proposal Status:
Under Review

HLTD46H3: Violence and Health: Critical Perspectives

Prerequisites:

1.5 credits at the C-level ~~from the program requirements from the Major/Major Co-op programs in Health Studies – Health Policy~~ from the program requirements from the Major/Major Co-op programs in Health Policy

Rationale:
1. Remove underline that was in prerequisites.
2. We have been given approval to drop the 'Health Studies' prefix from our program names given discussions with the Vice Dean Teaching and Undergraduate and other senior administration on campus. This needs to be reflected in the pre-requisite structure of this particular course.

Consultation:
DCC: October 10, 2024
Conversation with Vice Dean Undergraduate (Katie Larson) about the program name change idea: October 12, 2024
Michelle Silver conversation with Suzanne Sicchia re program name change: October 30, 2024

Resources:
None

Proposal Status:
Under Review

HLTD49H3: Global Health Governance: Thinking Alongside the World's Leaders

Prerequisites:

0.5 credit from [HLTC02H3 or HLTC43H3 or HLTC46H3] and an additional 1.0 credit at the C-level from the program requirements from the Major/Major Co-op program in ~~Health Studies –~~ Health Policy

Rationale:
We have been given approval to drop the 'Health Studies' prefix from our program names given discussions with the Vice Dean Teaching and Undergraduate and other senior administration on campus. This needs to be reflected in the prerequisite structure of this particular course.

Consultation:
DCC: October 10, 2024
Conversation with Vice Dean Undergraduate (Katie Larson) about the program name change idea: October 12, 2024
Michelle Silver conversation with Suzanne Sicchia re program name change: October 30, 2024

Resources:
None

Proposal Status:
Under Review

HLTD81H3: Health Professions Education

Prerequisites:

~~HLTB40H3 and~~0.5 credit from [HLTC42H3 or HLTC43H3 or HLTC44H3 or HLTC81H3] and an additional 1.~~5~~0 credit~~s~~ at the C-level from the program requirements from the Major/Major Co-op programs in Health and Society

Rationale:
Changing the pre-requisites- we seek to add C-level pre-requisites to this D-level course. Currently, HLTB40H3 (Health Policy and Health Systems) is listed as the pre-requisite, but there are suitable C-level courses that can prepare students for the content that we would like to include.

Consultation:
DCC: October 10, 2024

Resources:
None

Proposal Status:
Under Review

Historical & Cultural Studies (UTSC), Department of

12 Minor Program Modifications

SCMAJ0652C: MAJOR (CO-OPERATIVE) PROGRAM IN HISTORY (ARTS)

Completion Requirements:

Previous:

Program Requirements
Students must complete the program requirements as described in the Major Program in History.

Co-op Work Term Requirements
Students must satisfactorily complete two Co-op work terms, each of four-months duration. To be eligible for their first work term, students must be enrolled in the Major (Co-op) Program in History and have completed at least 10.0 credits, including two of [HISA04H3, HISA05H3, HISA06H3/GASA01H3, HISA07H3/CLAA04H3, HISA08H3/AFSA01H3 or HISA09H3] as well as HISB03H3.
In addition to their academic program requirements, Co-op students complete up to four Co-op specific courses. These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They cover a variety of topics intended to assist students in developing the skills and tools required to secure work terms that are appropriate to their program of study, and to perform professionally in the workplace. These courses must be completed in sequence, and are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

Co-op Preparation Course Requirements:

1. COPB50H3/(COPD01H3) – Foundations for Success in Arts & Science Co-op
- Students entering Co-op from outside of UTSC (high school or other postsecondary) will complete this course in Fall, Winter, or Summer of their first year at UTSC.
- Current UTSC students entering Co-op in April/May will complete this course in the Summer semester.
- Current UTSC students entering Co-op in July/August will complete this course in the Winter semester.

2. COPB51H3/(COPD03H3) – Preparing to Compete for your Work Term
- This course will be completed eight months in advance of the first scheduled work term.

3. COPB52H3/(COPD11H3) – Managing your Job Search and Transition to the Workplace
- This course will be completed four months in advance of the first work scheduled work term.

4. COPC98H3/(COPD12H3) – Integrating Your Work Term Experience Part I
- This course will be completed four months in advance of the second scheduled work term.

5. COPC99H3/(COPD13H3) – Integrating Your Work Term Experience Part II
- This course will be completed four months in advance of the third scheduled work term (for programs that require the completion of 3 work terms and/or four months in advance of any additional work terms that have been approved by the Arts and Science Co-op Office.

Students must be available for work terms in each of the Fall, Winter and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This, in turn, requires that students take courses during at least one Summer semester.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

New:

Program Requirements
Students must complete the program requirements as described in the Major Program in History.

Co-op Work Term Requirements
Students must satisfactorily complete two Co-op work terms, each of four-months duration. To be eligible for their first work term, students must be enrolled in the Major (Co-op) Program in History and have completed at least 10.0 credits, including two of HISA01H3, HISA02H3, HISA03H3, HISA04H3, HISA05H3, HISA06H3/GASA01H3, HISA07H3/CLAA04H3, HISA09H3, as well as HISB03H3.

In addition to their academic program requirements, Co-op students complete up to four Co-op specific courses. These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They cover a variety of topics intended to assist students in developing the skills and tools required to secure work terms that are appropriate to their program of study, and to perform professionally in the workplace. These courses must be completed in sequence, and are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

Co-op Preparation Course Requirements:

1. COPB50H3/ (COPD01H3) – Foundations for Success in Arts & Science Co-op
- Students entering Co-op from outside of UTSC (high school or other postsecondary) will complete this course in Fall, Winter, or Summer of their first year at

UTSC.
- Current UTSC students entering Co-op in April/May will complete this course in the Summer semester.
- Current UTSC students entering Co-op in July/August will complete this course in the Winter semester.

2. COPB51H3/ (COPD03H3) – Preparing to Compete for your Work Term
- This course will be completed eight months in advance of the first scheduled work term.

3. COPB52H3/ (COPD11H3) – Managing your Job Search and Transition to the Workplace
- This course will be completed four months in advance of the first work scheduled work term.

4. COPC98H3/ (COPD12H3) – Integrating Your Work Term Experience Part I
- This course will be completed four months in advance of the second scheduled work term.

5. COPC99H3/ (COPD13H3) – Integrating Your Work Term Experience Part II
- This course will be completed four months in advance of the third scheduled work term (for programs that require the completion of 3 work terms and/or four months in advance of any additional work terms that have been approved by the Arts and Science Co-op Office.

Students must be available for work terms in each of the Fall, Winter and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This, in turn, requires that students take courses during at least one Summer semester.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Description:

Previous:
For more information, please contact:

Academic Program Advisor: history-undergrad-advisor@utsc.utoronto.ca

Co-op Program Coordinator: coopsuccess.utsc@utoronto.ca

The Major (Co-op) Program in History is a Work Integrated Learning (WIL) program that combines academic studies with paid work terms in the public, private, and/or non-profit sectors. The program provides students with the opportunity to develop the academic and professional skills required to pursue employment in these areas, or to continue on to graduate training in an academic field related to History upon graduation.
In addition to their academic course requirements, students must successfully complete the additive Arts & Science Co-op Work Term Preparation courses and a minimum of two Co-op work terms.

New:
For more information, please contact:

Undergraduate Coordinator: 416-287-7184 Email: hcs.advising.utsc@utoronto.ca

Co-op Program Coordinator: coopsuccess.utsc@utoronto.ca

The Major (Co-op) Program in History is a Work Integrated Learning (WIL) program that combines academic studies with paid work terms in the public, private, and/or non-profit sectors. The program provides students with the opportunity to develop the academic and professional skills required to pursue employment in these areas, or to continue on to graduate training in an academic field related to History upon graduation.
In addition to their academic course requirements, students must successfully complete the additive Arts & Science Co-op Work Term Preparation courses and a minimum of two Co-op work terms.

Enrolment Requirements:

Previous:
Enrolment Requirements
The minimum qualifications for entry are 4.0 credits, including 0.5 credit from: HISA04H3, HISA05H3, HISA06H3/GASA01H3, HISA07H3/CLAA04H3, HISA08H3/AFSA01H3 or HISA09H3, plus a cumulative GPA of at least 2.5.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits and must meet the minimum qualifications for entry as noted above.

Prospective Co-op Students:
Prospective Co-op students (i.e., those not yet admitted to a Co-op Degree POSt) must submit a program request on ACORN, and meet the minimum qualifications noted above. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in that student's application not being considered.

New:
Enrolment Requirements
The minimum qualifications for entry are 4.0 credits, including 0.5 credit from: HISA01H3, HISA02H3, HISA03H3, HISA04H3, HISA05H3, HISA06H3/GASA01H3, HISA07H3/CLAA04H3, (HISA08H3), HISA09H3, plus a cumulative GPA of at least 2.5.

Current Co-op Students:

Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits and must meet the minimum qualifications for entry as noted above.

Prospective Co-op Students:
Prospective Co-op students (i.e., those not yet admitted to a Co-op Degree POSt) must submit a program request on ACORN, and meet the minimum qualifications noted above. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in that student's application not being considered.

Description of Proposed Changes:
Enrolment and Co-op Work Term requirement: removed HISA08H3/AFSA01H3 and added HISA01/02H3/03H3 as optional courses
Contact information updated

Rationale:
This update ensures accuracy throughout the calendar since HISA08H3 has been retired. The addition of new A-level courses will provide students with more options to fulfill this requirement. Contact information has also been updated to ensure the correct email address is available to students.

Impact: None

Consultations: DCC Approval: October 30, 2024

Resource Implications: None

Proposal Status: Under Review

SCMAJ0571C: MAJOR (CO-OPERATIVE) PROGRAM IN WOMEN'S AND GENDER STUDIES (ARTS)

Description:

Previous:
For more information, please contact:

Academic Program Advisor: wst-undergrad-advisor@utsc.utoronto.ca

Co-op Program Coordinator: coopsuccess.utsc@utoronto.ca

The Major (Co-op) Program in Women's and Gender Studies is a Work Integrated Learning (WIL) program that combines academic studies with paid work terms in the public, private, and/or non-profit sectors. The program provides students with the opportunity to develop the academic and professional skills required to pursue employment in these areas, or to continue on to graduate training in an academic field related to Women's and Gender Studies upon graduation.
In addition to their academic course requirements, students must successfully complete the additive Arts & Science Co-op Work Term Preparation courses and a minimum of two Co-op work terms.

New:
For more information, please contact:

Undergraduate Coordinator: 416-287-7184 Email: hcs.advising.utsc@utoronto.ca

Co-op Program Coordinator: coopsuccess.utsc@utoronto.ca

The Major (Co-op) Program in Women's and Gender Studies is a Work Integrated Learning (WIL) program that combines academic studies with paid work terms in the public, private, and/or non-profit sectors. The program provides students with the opportunity to develop the academic and professional skills required to pursue employment in these areas, or to continue on to graduate training in an academic field related to Women's and Gender Studies upon graduation.
In addition to their academic course requirements, students must successfully complete the additive Arts & Science Co-op Work Term Preparation courses and a minimum of two Co-op work terms.

Description of Proposed Changes:
Updated contact information

Rationale: Contact information has also been updated to ensure the correct email address is available to students.

Impact: None

Consultations:
DCC Approval: October 30, 2024

Resource Implications: None

Proposal Status: Under Review

SCMAJGAS: MAJOR PROGRAM IN GLOBAL ASIA STUDIES (ARTS)

Description:

Previous:
Undergraduate Advisor: (416) 287-7184 Email: gas-undergrad-advisor@utsc.utoronto.ca

New:
Undergraduate Coordinator: (416) 287-7184 Email: hcs.advising.utsc@utoronto.ca

Description of Proposed Changes:

Updated faculty, contact information, retired courses and new courses.

Rationale:
Contact information has also been updated to ensure the correct email address is available to students.

Impact: None

Consultations: DCC Approval: October 30, 2024

Resource Implications: None

Proposal Status: Under Review

SCMAJ0652: MAJOR PROGRAM IN HISTORY (ARTS)

Completion Requirements:

Previous:
Program Requirements
Students must complete at least 7.0 credits in History.

1. 1.0 credit from the following:
HISA04H3 Themes in World History I
HISA05H3 Themes in World History II
HISA06H3/GASA01H3 Introducing Global Asia and its Histories
HISA07H3/CLAA04H3 The Ancient Mediterranean World
HISA08H3/AFSA01H3 Africa in the World: An Introduction
HISA09H3 Capitalism: A Global History

2. 0.5 credit as follows:
HISB03H3 Critical Writing and Research for Historians

3. 3.0 credits at the C- or D-level

4. Additional 2.5 credits in History

5. Within the above 7.0 credits required, students must also complete:

1.5 credits must deal with a period prior to 1800

and

1.0 credit in Canadian History

and

At least 0.5 credit in two of the following areas of history
a. United States and Latin America
b. Medieval
c. European
d. Africa and Asia
e. Transnational
f. Ancient World

New:
Program Requirements
Students must complete at least 7.0 credits in History.

1.0 credit from the following:
HISA01H3 Drugs: A History
HISA02H3 Rise of the Machines: How Technology Remakes the World
HISA03H3 The Global Middle East
HISA04H3 Themes in World History I
HISA05H3 Themes in World History II
HISA06H3/ GASA01H3 Introducing Global Asia and its Histories
HISA07H3/ CLAA04H3 The Ancient Mediterranean World
(HISA08H3) Africa in the World: An Introduction
HISA09H3 Capitalism: A Global History

2. 0.5 credit as follows:
HISB03H3 Critical Writing and Research for Historians

3. 3.0 credits at the C- or D-level

4. Additional 2.5 credits in History

5. Within the above 7.0 credits required, students must also complete:
1.5 credits must deal with a period prior to 1800
and
1.0 credit in Canadian History

and
at least 0.5 credit in two of the following areas of history
a. United States and Latin America
b. Medieval
c. European
d. Africa and Asia
e. Transnational
f. Ancient World

Description:

Previous:
Undergraduate Advisor: 416-208-2923 Email: history-undergrad-advisor@utsc.utoronto.ca

New:
Undergraduate Coordinator: 416-287-7184 Email: hcs.advising.utsc@utoronto.ca

Description of Proposed Changes:
Requirement 1: HISA08H3/AFSA01H3 has been removed as an option and HISA01/A02/A03H3 has been added as an option
Contact information updated

Rationale:
This update ensures accuracy throughout the calendar since HISA08H3 has been retired. The addition of new A-level courses will provide students with more options to fulfill this requirement. Contact information has also been updated to ensure the correct email address is available to students.

Impact: None

Consultations: DCC Approval: October 30, 2024

Resource Implications: None

Proposal Status: Under Review

SCMAJ0571G: MAJOR PROGRAM IN WOMEN'S AND GENDER STUDIES (ARTS)

Completion Requirements:

Previous:
Program Requirements
Students must complete 7.0 credits as follows:

1. 1.0 credit from the following
WSTA01H3 Introduction to Women's and Gender Studies
WSTA03H3 Introduction to Feminist Theories and Thought

2. WSTB05H3 Power in Knowledge Production

3. WSTB11H3 Intersections of Inequality

4. WSTC02H3 Feminist Qualitative Research in Action

5. 2.5 additional credits in WST courses from the list below, of which at least 0.5 credit must be at the C-level, and a further 1.0 credit must be at the D-level (including 0.5 credit from WSTD03H3 or WSTD04H3 or WSTD09H3 or WSTD10H3)
WSTB06H3 Women in Diaspora
WSTB09H3 Gender, Race, and Colonialism
WSTB10H3 Women, Power and Protest: Transnational Perspectives
WSTB12H3 Gender-based Violence and Resistance
WSTB13H3 Feminist Critiques of Media and Culture
WSTB20H3/(WSTC20H3) Feminism and The Environment
WSTB22H3/HISB22H3 From Freedom Runners to #BlackLivesMatter: Histories of Black Feminism in Canada
WSTB25H3 LGBTQ History, Theory and Activism
WSTC10H3/AFSC53H3 Gender and Critical Development
WSTC12H3 Writing the Self: Global Women's Autobiographies
WSTC13H3 Women, Gender and Islam
WSTC14H3 The Gender Politics of Policy Change
WSTC16H3 Gender, Justice and the Law
WSTC22H3 Gender and Film
WSTC23H3 Community Engagement Practicum
WSTC24H3 Gender in the Kitchen
WSTC25H3 Transnational Queer Sexualities
WSTC26H3 Critical Race and Black Feminist Theories
WSTC28H3/LINC28H3 Language and Gender
WSTC30H3 Special Topics in Women's and Gender Studies
WSTC31H3 Special Topics in Women's and Gender Studies
WSTC40H3 Gender and Disability
WSTC66H3/HISC66H3 Histories of Gender and Sexuality in Muslim Societies: Between Law, Ethics and Culture
WSTD01H3 Independent Project in Women's and Gender Studies
WSTD03H3 Feminist Perspectives on Sex, Gender and the Body
WSTD04H3 Critical Perspectives on Gender and Human Rights
WSTD09H3 Race, Gender, and Islamophobia
WSTD10H3 Creating Stories for Social Change

WSTD11H3 Special Topics in Women's and Gender Studies
WSTD16H3/HISD16H3 Socialist Feminism in Global Context
WSTD30H3/GASD30H3 Gender and Techno-Orientalism
WSTD46H3/HISD46H3 Selected Topics in Canadian Women's History

6. 2.0 credits from the course list below:
AFSC97H3/HISC97H3 Women and Power in Africa
ANTC14H3 Feminism and Anthropology
ANTC15H3 Genders and Sexualities
ANTD01H3 The Body in Culture and Society
ENGB50H3 Women and Literature: Forging a Tradition
[(ENGB51H3) or ENGC54H3 Gender and Genre]
ENGB74H3 The Body in Literature and Film
(ENGC77H3)/(VPAC48H3) The Body in Contemporary Culture: Theories and Representations
ENGC34H3 Early Modern Women and Literature: 1500-1700
ENGC51H3 Contemporary Arab Women Writers
ENGD80H3 Women and Canadian Writing
GASB20H3 Gender and Social Institutions in Asia
GASC20H3 Gendering Global Asia
GASD20H3 Advanced Seminar: Social Change and Gender Relations in Chinese Societies
GASD56H3/HISD56H3 'Coolies' and Others: Asian Labouring Diasporas in the British Empire
GGRD09H3 Feminist Geographies
GGRD10H3 Health and Sexuality
HISC45H3 Immigrant and Race Relations in Canadian History
HLTC02H3 Women and Health: Past and Present
HLTC46H3 Gender, Health and Society
IDSD06H3 Feminist and Postcolonial Perspectives in Development Studies
MGHC23H3/(MGTC23H3) Diversity in the Workplace
PHLB13H3 Philosophy and Feminism
POLC94H3 Globalization, Gender and Development
PSYD18H3 Psychology of Gender
SOCB22H3 Sociology of Gender
SOCB49H3 Sociology of Family
SOCC09H3 Sociology of Gender and Work
SOCC24H3 Special Topics in Gender and Family
SOCC29H3 Family and Gender in the Middle East
SOCC38H3 Gender and Education
(VPHB57H3) Women in the Arts: Hot Mamas, Amazons, and Madonnas

New:
Program Requirements
Students must complete 7.0 credits as follows:

1. 1.0 credit from the following
WSTA01H3 Introduction to Women's and Gender Studies
WSTA03H3 Introduction to Feminist Theories and Thought

2. WSTB05H3 Power in Knowledge Production

3. WSTB11H3 Intersections of Inequality

4. WSTC02H3 Feminist Qualitative Research in Action

5. 3.5 additional credits in WST courses from the list below, of which at least 0.5 credit must be at the C-level, and a further 1.0 credit must be at the D-level (including 0.5 credit from WSTD03H3 or WSTD04H3 or WSTD09H3 or WSTD10H3)
HCSB03H3 Ready for Research: HCS Skills Lab
HCSB04H3 Research Practicum in Historical and Cultural Studies
WSTB06H3 Women in Diaspora
WSTB09H3 Gender, Race, and Colonialism
WSTB10H3 Women, Power and Protest: Transnational Perspectives
WSTB12H3 Gender-based Violence and Resistance
WSTB13H3 Feminist Critiques of Media and Culture
WSTB20H3/(WSTC20H3) Women, Gender, and the Environment
WSTB22H3/HISB22H3 From Freedom Runners to #BlackLivesMatter: Histories of Black Feminism in Canada
WSTB25H3 LGBTQ History, Theory and Activism
WSTC10H3/AFSC53H3 Gender and Critical Development
WSTC12H3 Writing the Self: Global Women's Autobiographies
WSTC13H3 Women, Gender and Islam
WSTC14H3 The Gender Politics of Policy Change
WSTC16H3 Gender, Justice and the Law
WSTC22H3 Gender and Film
WSTC23H3 Community Engagement Practicum
WSTC24H3 Gender in the Kitchen
WSTC25H3 Transnational Queer Sexualities
WSTC26H3 Critical Race and Black Feminist Theories
WSTC28H3/LINC28H3 Language and Gender

WSTC30H3 Special Topics in Women's and Gender Studies
WSTC31H3 Special Topics in Women's and Gender Studies
WSTC40H3 Gender and Disability
WSTC66H3/HISC66H3 Histories of Gender and Sexuality in Muslim Societies: Between Law, Ethics and Culture
WSTD01H3 Independent Project in Women's and Gender Studies
WSTD03H3 Feminist Perspectives on Sex, Gender and the Body
WSTD04H3 Critical Perspectives on Gender and Human Rights
WSTD09H3 Race, Gender, and Islamophobia
WSTD10H3 Creating Stories for Social Change
WSTD11H3 Special Topics in Women's and Gender Studies
WSTD16H3/HISD16H3 Socialist Feminism in Global Context
WSTD30H3/GASD30H3 Gender and Techno-Orientalism
WSTD46H3/HISD46H3 Selected Topics in Canadian Women's History

6. 1.0 credits from the course list below:
AFSC97H3/?(HISC97H3)/WSTC97H3 Women and Power in Africa
ANTC14H3 Feminism and Anthropology
ANTC15H3 Genders and Sexualities
ANTD01H3 The Body in Culture and Society
ENGB50H3 Women and Literature: Forging a Tradition
[(ENGB51H3) or ENGC54H3 Gender and Genre]
ENGB74H3 The Body in Literature and Film
(ENGC77H3)/(VPAC48H3) The Body in Contemporary Culture: Theories and Representations
ENGC34H3 Early Modern Women and Literature: 1500-1700
ENGC51H3 Contemporary Arab Women Writers
ENGD80H3 Women and Canadian Writing
GASB20H3 Gender and Social Institutions in Asia
GASC20H3 Gendering Global Asia
GASD20H3 Advanced Seminar: Social Change and Gender Relations in Chinese Societies
GASD56H3/?HISD56H3 'Coolies' and Others: Asian Labouring Diasporas in the British Empire
GGRD09H3 Feminist Geographies
GGRD10H3 Health and Sexuality
HISC45H3 Immigrant and Race Relations in Canadian History
HLTC02H3 Women and Health: Past and Present
HLTC46H3 Gender, Health and Society
IDSD06H3 Feminist and Postcolonial Perspectives in Development Studies
MGHC23H3/?(MGTC23H3) Diversity in the Workplace
PHLB13H3 Philosophy and Feminism
POLC94H3 Globalization, Gender and Development
PSYD18H3 Psychology of Gender
SOCB22H3 Sociology of Gender
SOCB49H3 Sociology of Family
SOCC09H3 Sociology of Gender and Work
SOCC24H3: Changing Family Life in Canada
SOCC29H3 Family and Gender in the Middle East
SOCC38H3 Gender and Education
(VPHB57H3) Women in the Arts: Hot Mamas, Amazons, and Madonnas

Description:

Previous:
Undergraduate Advisor: 416-287-7184 Email: wst-undergrad-advisor@utsc.utoronto.ca

New:
Undergraduate Coordinator: 416-287-7184 Email: hcs.advising.utsc@utoronto.ca

Description of Proposed Changes:
1. Requirement 5: increase requirement from 2.5 to 3.5 updated WSTB20H3 course title
2. Requirement 6: decreased the requirement from 2.0 to 1.0, updated retired HISC97H3 course with round brackets, and updated SOCC24H3 course title

Rationale:
1. The increase in this requirement is to promote more enrollment in WST courses, since the WST faculty complement has increased over the past few years as has the number of WST course offerings. HCS new courses have been added as options to help students complete this program requirement. The course title change is to ensure accuracy throughout the calendar
2. The decrease in requirement 6 is to support to increase in requirement 5 and to ensure the total program requirement is not impacted all other updates are to ensure consistency and accuracy throughout the calendar.

Impact: None.

Consultations: DCC Approval: October 30, 2024

Resource Implications: None

Proposal Status: Under Review

SCMIN2049: MINOR PROGRAM IN CLASSICAL STUDIES (ARTS)

Completion Requirements:

Previous:

Program Requirements
Students must complete 4.0 credits, as follows:

1. Introduction
CLAA04H3/HISA07H3 The Ancient Mediterranean World
Note: Students who have completed both (CLAA02H3) and (CLAA03H3) may substitute one of the courses for CLAA04H3.

2. History and Culture
CLAB05H3/HISB10H3 History and Culture of the Greek World
CLAB06H3/HISB11H3 History and Culture of the Roman World

3. Mythology and Religion
CLAA06H3 Ancient Mythology II: Greece and Rome
Note: Students who were enrolled at UTSC prior to the 2009 Summer Session may substitute one of (CLAA02H3) or (CLAA03H3) for CLAA06H3.

4. Literature (0.5 credit from the following courses)
CLAC11H3 Classical Literature I: Poetry
CLAC12H3 Classical Literature II: Prose

5. Electives (1.5 credits from the following courses, including at least 1.0 credit at the C or D-level; before choosing their electives, students need to take at least 1.0 credit at the A-level, 1.0 credit at the B-level, and 0.5 credit at the C-level):
Classical Studies
CLAA05H3 Ancient Mythology I: Mesopotamia and Egypt
(CLAB10H3) Greek and Latin for Scientists
CLAB09H3/HISB09H3 Between Two Empires: The World of Late Antiquity
CLAB20H3/HISB12H3 The Ancient World in Film
CLAC01H3 Selected Topics in Classical Literature
CLAC02H3 Selected Topics in Classical Civilization
CLAC05H3/HISC10H3 Beyond Cleopatra: Decolonial Approaches to Ancient Egypt
CLAC11H3 Classical Literature I: Poetry if not taken as a required course
CLAC12H3 Classical Literature II: Prose if not taken as a required course
CLAC22H3 Religions of the Ancient Mediterranean
CLAC24H3/HISC11H3 Race and Ethnicity in the Ancient Mediterranean and West Asian Worlds
CLAC26H3/HISC16H3 Indigeneity and the Classics
CLAC67H3/HISC67H3 Early Islam: Perspectives on the Construction of a Historical Tradition
CLAC68H3/HISC68H3/ANTC58H3 Constructing the Other: Orientalism through Time and Place
CLAC94H3/HISC94H3 The Bible and the Qur'an
CLAD05H3/HISD10H3 Dripping Histories: Water in the Ancient Mediterranean and West Asian Worlds
CLAD69H3/HISD69H3 Sufis and Desert Fathers: Mysticism in Late Antiquity and Early Islam

Art History
(VPHB41H3) The Human Figure in Greek Art (8th-4th cent. B.C.)
(VPHB52H3) Ancient Art and Architecture (ca 900 B.C.-300 A.D.)
(VPHB76H3) Religion in the Arts: The Judeo-Christian Traditions
(VPHC46H3) Topics in Art of the Ancient World
VPHC53H3 The Silk Routes

English
ENGB30H3 Classical Myth and Literature
ENGC16H3 The Bible and Literature I
ENGC17H3 The Bible and Literature II
ENGC26H3 Drama: Tragedy
ENGC27H3 Drama: Comedy

Languages
(LGGA50H3) Introductory Latin I
(LGGA51H3) Introductory Latin II
(LGGA54H3) Introductory Sanskrit I
(LGGA55H3) Introductory Sanskrit II
(LGGB54H3) Intermediate Sanskrit I
(LGGB55H3) Intermediate Sanskrit II

Philosophy
PHLB16H3 Political Philosophy: Ancient Greece and the Middle Ages
PHLB31H3 Introduction to Ancient Philosophy
PHLC32H3 Topics in Ancient Philosophy: Aristotle

Religion
(RLGB01H3) The "Holy Book" in Judaism, Christianity and Islam
(RLGC01H3) The Five Books of Moses
(RLGC02H3) The Gospels
(RLGC03H3) Paul and the Invention of Christianity
(RLGC04H3) Hindu Epic
RLGC05H3 The Qu'ran in Interpretive and Historical Context

Anthropology
(ANTB04H3) Artifacts and Prehistory

(ANTB12H3) Introduction to World Prehistory: The Rise of Civilization

New:
Classical Studies Programs

MINOR PROGRAM IN CLASSICAL STUDIES (ARTS) - SCMIN2049

Undergraduate Coordinator: 416-287-7184 Email: hcs.advising.utsc@utoronto.ca

Program Requirements
Students must complete 4.0 credits, as follows:

1. Introduction
CLAA04H3/HISA07H3 The Ancient Mediterranean World
Note: Students who have completed both (CLAA02H3) and (CLAA03H3) may substitute one of the courses for CLAA04H3.

2. History and Culture
CLAB05H3/HISB10H3 History and Culture of the Greek World
CLAB06H3/HISB11H3 History and Culture of the Roman World

3. Mythology and Religion
CLAA06H3 Ancient Mythology II: Greece and Rome
Note: Students who were enrolled at UTSC prior to the 2009 Summer Session may substitute one of (CLAA02H3) or (CLAA03H3) for CLAA06H3.

4. Literature (0.5 credit from the following courses)
CLAC11H3 Classical Literature I: Poetry
CLAC12H3 Classical Literature II: Prose

5. Electives (1.5 credits from the following courses, including at least 1.0 credit at the C or D-level; before choosing their electives, students need to take at least 1.0 credit at the A-level, 1.0 credit at the B-level, and 0.5 credit at the C-level):
Classical Studies
CLAA05H3 Ancient Mythology I: Mesopotamia and Egypt
(CLAB10H3) Greek and Latin for Scientists
CLAB09H3/HISB09H3 Between Two Empires: The World of Late Antiquity
CLAB20H3/HISB12H3 The Ancient World in Film
CLAC01H3 Selected Topics in Classical Literature
CLAC02H3 Selected Topics in Classical Civilization
CLAC05H3/HISC10H3 Beyond Cleopatra: Decolonial Approaches to Ancient Egypt
CLAC11H3 Classical Literature I: Poetry if not taken as a required course
CLAC12H3 Classical Literature II: Prose if not taken as a required course
CLAC22H3 Religions of the Ancient Mediterranean
CLAC24H3/HISC11H3 Race and Ethnicity in the Ancient Mediterranean and West Asian Worlds
CLAC26H3/HISC16H3 Indigeneity and the Classics
CLAC67H3 HISC67H3 Early Islam: Perspectives on the Construction of a Historical Tradition
CLAC68H3/HISC68H3/ANTC58H3 Constructing the Other: Orientalism through Time and Place
CLAC94H3/HISC94H3 The Bible and the Qur'an
CLAD05H3/HISD10H3 Dripping Histories: Water in the Ancient Mediterranean and West Asian Worlds
CLAD69H3 HISD69H3 Sufis and Desert Fathers: Mysticism in Late Antiquity and Early Islam
HCSB03H3 Ready for Research: HCS Skills Lab
HCSB04H3 Research Practicum in Historical and Cultural Studies

Description:

Previous:
Undergraduate Advisor: 416-208-2923 Email: classics-undergrad-advisor@utsc.utoronto.ca

New:
Faculty List
K. Blouin, M.A., Ph.D. (Laval and Nice), Associate Professor
- K. Cooper, M.A., Ph.D. (London), Assistant Professor, Teaching Stream
- S. Dost, M.A., Ph.D. (Chicago), Assistant Professor

Undergraduate Coordinator: (416) 287-7184 Email: hcs.advising.utsc@utoronto.ca
For more information, visit the Department of Historical and Cultural Studies website.

Classical Studies is a pluridisciplinary field dedicated to the study of the Ancient Greek and Roman worlds. It involves disciplines such as history, literature, religion, languages and linguistics, art history, archaeology, and philosophy and pertains to the study of wide areas of Europe, North Africa and Asia over several millennia (ca. 2000 B.C.-700 A.D.).

The expression "classical" is commonly used to designate the areas and periods populated or dominated by the Greeks and Romans. Yet it was also a complex, heterogeneous, permeable, mixed and constantly evolving world in which the Greeks and the Romans have always been intertwined with other peoples and cultures. Classical Studies at UTSC offers students both a thorough examination of the main features of the Greek and Roman civilizations and a substantial introduction to the other peoples and cultures which were part of or interacted with it. In all courses, the ancient written sources are studied in translation.

Guidelines for first-year course selection

Students who intend to complete the Minor program in Classics should include CLAA04H3 and CLAA06H3 in their first-year course selection.
For updates and detailed information regarding Classical Studies please visit the Department of Historical and Cultural Studies website.

Experiential Learning and Outreach

For a community-based experiential learning opportunity in your academic field of interest, consider the course CTLB03H3, which can be found in the Teaching and Learning section of the Calendar.

Description of Proposed Changes:
1. Updated contact information and provided more information on the program
2. Requirement 5: Removed Religion Group courses

Rationale:
1. Contact information added to ensure students reach the right individuals for program-related inquiries. More program details added for student information
2. Requirement 5: The Religion course group is being removed as RLG courses stem from a discontinued program and haven't been offered in over a decade. Even if the Religion Minor is revived, these courses are unlikely to return. Art History, Language, Philosophy, English, and Anthropology courses are being removed to better reflect current offerings. Many have not been available in recent years, and some have prerequisites outside the minor's scope, creating enrollment challenges.

Impact: None

Consultations: DCC Approval: Jan 20, 2025

Resource Implications: None

Proposal Status: Under Review

SCMINGAS: MINOR PROGRAM IN GLOBAL ASIA STUDIES (ARTS)

Description:

Previous:
Undergraduate Advisor: (416) 287-7184 Email: gas-undergrad-advisor@utsc.utoronto.ca

New:
Undergraduate Coordinator: (416) 287-7184 Email: hcs.advising.utsc@utoronto.ca

Description of Proposed Changes: Updated contact information

Rationale: Contact information has also been updated to ensure the correct email address is available to students.

Impact: None

Consultations: DCC Approval; October 30, 2024

Resource Implications: None

Proposal Status: Under Review

SCMIN0652: MINOR PROGRAM IN HISTORY (ARTS)

Description:

Previous:
Undergraduate Advisor: 416-287-7184 Email: history-undergrad-advisor@utsc.utoronto.ca

New:
Undergraduate Coordinator: (416) 287-7184 Email: hcs.advising.utsc@utoronto.ca

Description of Proposed Changes: Updated contact information.

Rationale: Contact information has also been updated to ensure the correct email address is available to students

Impact:
None

Consultations:
DCC Approval: October 30, 2024

Resource Implications:
None

Proposal Status:
Under Review

SCMIN0571: MINOR PROGRAM IN WOMEN'S AND GENDER STUDIES (ARTS)

Completion Requirements:

Previous:
Program Requirements
Students must complete 4.0 credits as follows:

1. 1.0 credit from the following
WSTA01H3 Introduction to Women's and Gender Studies
WSTA03H3 Introduction to Feminist Theories and Thought

2. WSTB05H3 Power in Knowledge Production

3. WSTB11H3 Intersections of Inequality

4. 2.0 additional credits as follows:
0.5 credit at the C-level in WST courses taken from the list in requirement 5 of the Major program in Women's and Gender Studies
and
0.5 credit at the D-level in WST courses taken from the list in requirement 5 of the Major program in Women's and Gender Studies
and
1.0 credit in courses taken from the list in requirement 6 of the Major program in Women's and Gender Studies.

New:
1. 1.0 credit from the following
WSTA01H3 Introduction to Women's and Gender Studies
WSTA03H3 Introduction to Feminist Theories and Thought

2. WSTB05H3 Power in Knowledge Production

3. WSTB11H3 Intersections of Inequality

4. 2.0 additional credits as follows:
1.0 credit at the B or C-level in WST courses taken from the list in requirement 5 of the Major program in Women's and Gender Studies
and
0.5 credit at the D-level in WST courses taken from the list in requirement 5 of the Major program in Women's and Gender Studies
and
0.5 credit in courses taken from the list in requirement 6 of the Major program in Women's and Gender Studies.

Description:

Previous:
Undergraduate Advisor: 416-287-7184 Email: wst-undergrad-advisor@utsc.utoronto.ca

New:
Undergraduate Coordinator: 416-287-7184 Email: hcs.advising.utsc@utoronto.ca

Description of Proposed Changes:
Requirement 4: revised the ordering of credits required from each bin, increasing 0.5 credits at the B or C-level in WST and decreasing 0.5 credits from general requirement 6 area, but the overall program requirement remains the same.
Updated contact information

Rationale:
The WST faculty complement has increased over the past few years as has the number of WST course offerings. This increase in WST courses has reduced the need to rely on courses offered in other programs/departments. Contact information has also been updated to ensure the correct email address is available to students.

Impact: None

Consultations: DCC Approval: October 30, 2024

Resource Implications: None

Proposal Status: Under Review

SCSPE0652C: SPECIALIST (CO-OPERATIVE) PROGRAM IN HISTORY (ARTS)

Completion Requirements:

Previous:
Program Requirements
Students must complete the program requirements as described in the Specialist Program in History.

Co-op Work Term Requirements
Students must satisfactorily complete two Co-op work terms, each of four-months duration. To be eligible for their first work term, students must be enrolled in the Specialist (Co-op) Program in History and have completed at least 10.0 credits, including two of [HISA04H3, HISA05H3, HISA06H3/GASA01H3, HISA07H3/CLAA04H3, HISA08H3/AFSA01H3 or HISA09H3] as well as HISB03H3.
In addition to their academic program requirements, Co-op students complete up to four Co-op specific courses. These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They cover a variety of topics intended to assist students in developing the skills and tools required to secure work terms that are appropriate to their program of study, and to perform professionally in the workplace. These courses must be completed in sequence, and are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

Co-op Preparation Course Requirements:

1. COPB50H3/(COPD01H3) – Foundations for Success in Arts & Science Co-op
- Students entering Co-op from outside of UTSC (high school or other postsecondary) will complete this course in Fall, Winter, or Summer of their first year at UTSC.
- Current UTSC students entering Co-op in April/May will complete this course in the Summer semester.
- Current UTSC students entering Co-op in July/August will complete this course in the Winter semester.

2. COPB51H3/(COPD03H3) – Preparing to Compete for your Work Term
- This course will be completed eight months in advance of the first scheduled work term.

3. COPB52H3/(COPD11H3) – Managing your Job Search and Transition to the Workplace
- This course will be completed four months in advance of the first work scheduled work term.

4. COPC98H3/(COPD12H3) – Integrating Your Work Term Experience Part I
- This course will be completed four months in advance of the second scheduled work term.

5. COPC99H3/(COPD13H3) – Integrating Your Work Term Experience Part II
- This course will be completed four months in advance of the third scheduled work term (for programs that require the completion of 3 work terms and/or four months in advance of any additional work terms that have been approved by the Arts and Science Co-op Office.

Students must be available for work terms in each of the Fall, Winter and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This, in turn, requires that students take courses during at least one Summer semester.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

New:
Program Requirements
Students must complete the program requirements as described in the Specialist Program in History.

Co-op Work Term Requirements
Students must satisfactorily complete two Co-op work terms, each of four-months duration. To be eligible for their first work term, students must be enrolled in the Specialist (Co-op) Program in History and have completed at least 10.0 credits, including two of HISA01H3, HISA02H3, HISA03H3, HISA04H3, HISA05H3, HISA06H3/GASA01H3, HISA07H3/CLAA04H3, HISA09H3, as well as HISB03H3.

In addition to their academic program requirements, Co-op students complete up to four Co-op specific courses. These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They cover a variety of topics intended to assist students in developing the skills and tools required to secure work terms that are appropriate to their program of study, and to perform professionally in the workplace. These courses must be completed in sequence, and are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

Co-op Preparation Course Requirements:

1. COPB50H3/ (COPD01H3) – Foundations for Success in Arts & Science Co-op
- Students entering Co-op from outside of UTSC (high school or other postsecondary) will complete this course in Fall, Winter, or Summer of their first year at UTSC.
- Current UTSC students entering Co-op in April/May will complete this course in the Summer semester.
- Current UTSC students entering Co-op in July/August will complete this course in the Winter semester.

2. COPB51H3/ (COPD03H3) – Preparing to Compete for your Work Term
- This course will be completed eight months in advance of the first scheduled work term.

3. COPB52H3/ (COPD11H3) – Managing your Job Search and Transition to the Workplace
- This course will be completed four months in advance of the first work scheduled work term.

4. COPC98H3/ (COPD12H3) – Integrating Your Work Term Experience Part I
- This course will be completed four months in advance of the second scheduled work term.

5. COPC99H3/ (COPD13H3) – Integrating Your Work Term Experience Part II
- This course will be completed four months in advance of the third scheduled work term (for programs that require the completion of 3 work terms and/or four months in advance of any additional work terms that have been approved by the Arts and Science Co-op Office.

Students must be available for work terms in each of the Fall, Winter and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This, in turn, requires that students take courses during at least one Summer semester.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.

Description:

Previous:
For more information, please contact:

Academic Program Advisor: history-undergrad-advisor@utsc.utoronto.ca

Co-op Program Advisor: coopsuccess.utsc@utoronto.ca

The Specialist (Co-op) Program in History is a Work Integrated Learning (WIL) program that combines academic studies with paid work terms in the public, private, and/or non-profit sectors. The program provides students with the opportunity to develop the academic and professional skills required to pursue employment in these areas, or to continue on to graduate training in an academic field related to History upon graduation.
In addition to their academic course requirements, students must successfully complete the additive Arts & Science Co-op Work Term Preparation courses and a minimum of two Co-op work terms.

New:
For more information, please contact:

Undergraduate Coordinator: 416-287-7184 Email: hcs.advising.utsc@utoronto.ca

Co-op Program Advisor: coopsuccess.utsc@utoronto.ca

The Specialist (Co-op) Program in History is a Work Integrated Learning (WIL) program that combines academic studies with paid work terms in the public, private, and/or non-profit sectors. The program provides students with the opportunity to develop the academic and professional skills required to pursue employment in these areas, or to continue on to graduate training in an academic field related to History upon graduation.
In addition to their academic course requirements, students must successfully complete the additive Arts & Science Co-op Work Term Preparation courses and a minimum of two Co-op work terms.

Enrolment Requirements:

Previous:
Enrolment Requirements
The minimum qualifications for entry are 4.0 credits, including 0.5 credits from: HISA04H3, HISA05H3, HISA06H3/GASA01H3, HISA07H3/CLAA04H3, HISA08H3/AFSA01H3 or HISA09H3, plus a cumulative GPA of at least 2.5.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits and must meet the minimum qualifications for entry as noted above.

Prospective Co-op Students:
Prospective Co-op students (i.e., those not yet admitted to a Co-op Degree POSt) must submit a program request on ACORN, and meet the minimum qualifications noted above. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in that student's application not being considered.

New:
Enrolment Requirements
The minimum qualifications for entry are 4.0 credits, including 0.5 credits from:
HISA01H3, HISA02H3, HISA03H3, HISA04H3, HISA05H3, HISA06H3/GASA01H3, HISA07H3/CLAA04H3, (HISA08H3), HISA09H3, plus a cumulative GPA of at least 2.5.

Current Co-op Students:
Students admitted to a Co-op Degree POSt in their first year of study must request a Co-op Subject POSt on ACORN upon completion of 4.0 credits and must meet the minimum qualifications for entry as noted above.

Prospective Co-op Students:
Prospective Co-op students (i.e., those not yet admitted to a Co-op Degree POSt) must submit a program request on ACORN, and meet the minimum qualifications noted above. Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in that student's application not being considered.

Description of Proposed Changes:
Enrolment and Co-op work term requirements: Removed HISA08H3/AFSA01H3 as an optional course and added HISA01/A02/A03H3 as optional courses updated contact infomation

Rationale:
This update ensures accuracy throughout the calendar since HISA08H3 has been retired. The addition of new A-level courses will provide students with more options to fulfill this requirement. Contact information has also been updated to ensure the correct email address is available to students.

Impact: None

Consultations: DCC Approval: October 30, 2024

Resource Implications: None

Proposal Status: Under Review

SCSPEGAS: SPECIALIST PROGRAM IN GLOBAL ASIA STUDIES (ARTS)

Completion Requirements:

Previous:
Program Requirements
Students must complete 12.0 credits, of which at least 4.0 credits must be at the C- or D-level, including at least 1.0 credit at the D-level:

1. 0.5 credit as follows:
GASA01H3/HISA06H3 Introducing Global Asia and its Histories
or
GASA02H3 Introduction to Global Asia Studies

2. 9.5 credits at the B- or C-level in GAS courses, of which 3.0 credits should be at the C-level (students should check course descriptions for prerequisites)

3. At least 1.0 credit at the D-level in GAS courses (students should check the course description for prerequisites)

4. 1.0 credit from Asian language courses taught at the University

New:
Program Requirements
Students must complete 12.0 credits, of which at least 4.0 credits must be at the C- or D-level, including at least 1.0 credit at the D-level:

1. 0.5 credit as follows:
GASA01H3/ HISA06H3 Introducing Global Asia and its Histories
or
GASA02H3 Introduction to Global Asia Studies

2. 9.5 credits at the B- or C-level in GAS courses, of which 3.0 credits should be at the C-level (students should check course descriptions for prerequisites)

3. At least 1.0 credit at the D-level in GAS courses (students should check the course description for prerequisites)

4. 1.0 credit from Asian language courses taught at the University

Description:

Previous:
Undergraduate Advisor: (416) 287-7184 Email: gas-undergrad-advisor@utsc.utoronto.ca

New:
Undergraduate Coordinator: (416) 287-7184 Email: hcs.advising.utsc@utoronto.ca

Description of Proposed Changes:
Updating faculty information and contact information,

Rationale:
Contact information has also been updated to ensure the correct email address is available to students.

Impact: None

Consultations: DCC Approval: October 30, 2024

Resource Implications: None

Proposal Status: Under Review

SCSPE0652: SPECIALIST PROGRAM IN HISTORY (ARTS)

Completion Requirements:

Previous:
Program Requirements
Students must complete at least 12.0 credits in History, including:

1. 1.0 credit from the following:
HISA04H3 Themes in World History I
HISA05H3 Themes in World History II
HISA06H3/GASA01H3 Introducing Global Asia and its Histories
HISA07H3/CLAA04H3 The Ancient Mediterranean World
HISA08H3/AFSA01H3 Africa in the World: An Introduction
HISA09H3 Capitalism: A Global History

2. 1.0 credit as follows:
HISB03H3 Critical Writing and Research for Historians
HISC01H3 History and Evidence

3. 4.5 credits at the C-level

4. 1.0 credit at the D-level

5. Additional 4.5 credits in History

6. Within the 12.0 credits required, students must also complete:

2.0 credits must deal with the period prior to 1800

and

1.0 credit in Canadian history

and

4.0 credits distributed over four of the following areas of history:
a. United States and Latin America
b. Medieval
c. European
d. Africa and Asia
e. Transnational
f. Ancient World

Specialist Program in History--Language Stream
Students registered in the Specialist Program in History have the option of registering in the Language Stream. Students in the Language Stream must complete the Specialist Program in History and 2.0 credits in a single language. This option is designed to encourage Specialists to undertake language study with an eye to engaging historical writing and sources in the original language. Specialists who wish to demonstrate proficiency in a given language on their transcript should undertake the additional study that would qualify them for the UTSC Language Citation.

New:
Program Requirements
Students must complete at least 12.0 credits in History, including:

1. 1.0 credit from the following:
HISA01H3 Drugs: A History
HISA02H3 Rise of the Machines: How Technology Remakes the World
HISA03H3 The Global Middle East
HISA04H3 Themes in World History I
HISA05H3 Themes in World History II
HISA06H3/ GASA01H3 Introducing Global Asia and its Histories
HISA07H3/ CLAA04H3 The Ancient Mediterranean World
(HISA08H3) Africa in the World: An Introduction
HISA09H3 Capitalism: A Global History

2. 1.0 credit as follows:
HISB03H3 Critical Writing and Research for Historians
HISC01H3 History and Evidence

3. 4.5 credits at the C-level

4. 1.0 credit at the D-level

5. Additional 4.5 credits in History

6. Within the 12.0 credits required, students must also complete:
2.0 credits must deal with the period prior to 1800
and
1.0 credit in Canadian history
and
4.0 credits distributed over four of the following areas of history:
a. United States and Latin America
b. Medieval
c. European
d. Africa and Asia
e. Transnational
f. Ancient World

Specialist Program in History--Language Stream
Students registered in the Specialist Program in History have the option of registering in the Language Stream. Students in the Language Stream must complete the Specialist Program in History and 2.0 credits in a single language. This option is designed to encourage Specialists to undertake language study with an eye to engaging historical writing and sources in the original language. Specialists who wish to demonstrate proficiency in a given language on their transcript should undertake the additional study that would qualify them for the UTSC Language Citation.

Description:

Previous:
Undergraduate Advisor: 416-208-2923 Email: history-undergrad-advisor@utsc.utoronto.ca

New:
Undergraduate Coordinator: (416) 287-7184 Email: hcs.advising.utsc@utoronto.ca

Description of Proposed Changes:
Requirement 1: Round brackets placed for recently retired course HISA08H3 as an optional course and added HISA01/A02/A03H3 as optional courses
updated contact information

Rationale:
This update ensures accuracy throughout the calendar since HISA08H3 has been retired. The addition of new A-level courses will provide students with more options to fulfill this requirement. Contact information has also been updated to ensure the correct email address is available to students.

Impact: None

Consultations: DCC Approval: October 30, 2024

Resource Implications: None

Proposal Status: Under Review

2 Course Code Changes

HISA03H3: The Global Middle East

Previous Course Code: HISB65H3/GASB65H3

Previous Course Title: West Asia and the Modern World

Description:

Previous:
For those who reside east of it, the Middle East is generally known as West Asia. By reframing the Middle East as West Asia, this course will explore the region's modern social, cultural, and intellectual history as an outcome of vibrant exchange with non-European world regions like Asia. It will foreground how travel and the movement fundamentally shape modern ideas. Core themes of the course such as colonialism and decolonization, Arab nationalism, religion and identity, and feminist thought will be explored using primary sources (in translation). Knowledge of Arabic is not required.

New:
For those who reside east of it, the Middle East is generally known as West Asia. By reframing the Middle East as West Asia, this course will explore the region's modern social, cultural, and intellectual history as an outcome of vibrant exchange with non-European world regions like Asia. It will foreground how travel and the movement fundamentally shape modern ideas. Core themes of the course such as colonialism and decolonization, Arab nationalism, religion and identity, and feminist thought will be explored using primary sources (in translation). Knowledge of Arabic is not required.

Africa and Asia Area

Methods of Assessment:
Previous:
2 Short writing assignments building on in-class activities will train students to closely read primary and secondary sources each.
1 longer writing assignment will train and assess students to craft arguments that engage with secondary literature and layout their interpretation of a given primary source.
The final exam will assess a student's knowledge of course content.

New:
2 Short in-class writing assignments building on in-class activities will train students to closely read primary and secondary sources each.
1 longer writing assignment will train and assess students to craft arguments that engage with secondary literature and layout their interpretation of a given primary source.
The final exam will assess a student's knowledge of course content.

Exclusions: (HISB65H3)/(GASB65H3)

Rationale:
1. Course Level Change: This course is being renumbered from HISB65H3/GASB65H3 to better align with the department's strategy of attracting first-year students through more clearly defined course themes. Previously, most History A-level courses were listed under the generic title "Themes in World History", which did not effectively communicate specific content. This change is part of a broader effort to offer diverse, introductory courses with no prerequisites, rotating each term with different topics and instructors to give students from various disciplines the opportunity to explore subjects of interest and lay a foundation for advanced-level courses.
2. Learning Outcomes, Assessment Methods & Topics Covered: While the learning outcomes, topics, and methods of assessments remain largely unchanged, writing assignments will now be completed in class. These elements have been reviewed to ensure they meet A-level expectations.
3. Course Title & Description: Updates to the course title, and description aim to provide students with a clearer understanding of the course content while ensuring alignment with A-level criteria.

Consultation:
DCC: January 14, 2025
RO Approval: October 23, 2024, Amber Lantsman

Resources:
The same resources used for HISB65H3/GASB65H3 will be transferred to this course. No additional resources are needed.

Overlap with Existing Courses: HISB65H3/GASB65H3 retired courses have been listed as an exclusion to this course

WSTC97H3: Women and Power in Africa

Previous Course Code: HISC97H3

Previous Course Title: Women and Power in Africa

Prerequisites:

Previous:
Any 4.0 credits, including: HISA08H3/AFSA01H3 or HISB50H3/AFSB50H3 or HISB51H3/AFSB51H3

New:
Any 4.0 credits including: WSTA01H3 or WSTB03H3 or HISB50H3/AFSB50H3 or HISB51H3/AFSB51H3 or HISB54H3/AFSB54H3 or WSTB09H3 or WSTC10H3/AFSC53H3

Exclusions:
New: (HISC97H3)/(AFSC97H3)

Recommended Preparation:
New:
HISB50H3/AFSB50H3 or HISB51H3/AFSB51H3 or WSTA01H3 or WSTA03H3

Rationale:
1. Course Code Change: this is a course code change from HSC97H3, which will be retired, and the course will be retained under the Women's and Gender Studies program with a WST prefix. This change aligns the course more appropriately with the Women's and Gender Studies curriculum. The course did not receive much attention under HIS course code, and the department believes it will be received very well by the students who are currently in Women's and Gender Studies program and will be cross-listed under History program.
2. The prerequisites are changing to provide students with more enrolment flexibility in WST programs
3. The recommended prep courses now include courses that are not required but encouraged for students
4. No changes to learning outcomes, topics covered, or methods of assessment
5. AFS can continue to cross list the new course code.

Consultation:
DCC Consultation - January 24, 2025
RO Consultation - January 27, 2025 (Amber Lantsman) and January 29, 2025 (Lindsey Taylor)

Resources:
HISC97H3 resources will be transferred to this course. TA support is typically necessary when courses reach 45 enrollments, however, the enrollment for this course is set at 20 and therefore will not require any TA resources.

Proposal Status: Under Review

27 Course Modifications

GASB05H3: Media and Globalization

Description:

Previous:

This course examines the role of technological and cultural networks in mediating and facilitating the social, economic and political processes of globalization. Key themes include imperialism, militarization, global political economy, activism, and emerging media technologies. Particular attention is paid to cultures of media production and reception outside of North America.
Same as MDSB05H3

New:

This course examines the role of technological and cultural networks in mediating and facilitating the social, economic and political processes of globalization. Key themes include imperialism, militarization, global political economy, activism, and emerging media technologies. Particular attention is paid to cultures of media production and reception outside of North America.
Same as MDSB32H3/(MDSB05H3)

Prerequisites:

Previous:
4.0 credits and MDSA01H3

New:
4.0 credits and [MDSA10H3 or (MDSA01H3)]

Exclusions:

Previous:
MDSB05H3

New:
MDSB32H3/(MDSB05H3)

Rationale:
ACM has changed the double numbered course code from MDSB05H3 to MDSB32H3, these changes reflect this update.

Consultation:
ACM Consultation: Oct 16, 2024

Resources: None

Proposal Status: Under Review

GASC20H3: Gendering Global Asia

Prerequisites:

Previous:
8.0 credits, including 0.5 credit at the A-level, and 1.0 credit at the B-level in CLA, FST, GAS, HIS, or WST courses

New:
Any 4.0 credits, including 1.0 credit at the B-level in Humanities and Social Science courses.

Rationale:
Expanding the prerequisites to allow students from diverse disciplines to access the courses and instead adding GASA-level courses as recommended but not required courses

Consultation: DCC Date: January 24, 2025

Resources: None

Proposal Status: Under Review

GASC40H3: Chinese Media and Politics

Description:

Previous:
This course examines the complex and dynamic interplay of media and politics in contemporary China, and the role of the government in this process.
Same as MDSC40H3

New:
This course examines the complex and dynamic interplay of media and politics in contemporary China, and the role of the government in this process.
Same as MDSC32H3/(MDSC40H3)

Exclusions:

Previous:
MDSC40H3

New:
MDSC32H3/(MDSC40H3)

Rationale: ACM has changed the double numbered course code from MDSC40H3 to MDSC32H3

Consultation: ACM Consultation: Oct 16, 2024

Resources: None

Proposal Status: Under Review

GASC41H3: Media and Popular Culture in East Asia

Description:

Previous:
This course introduces students to media industries and commercial popular cultural forms in East Asia. Topics include reality TV, TV dramas, anime, and manga as well as issues such as regional cultural flows, global impact of Asian popular culture, and the localization of global media in East Asia.
Same as MDSC41H3

New:
This course introduces students to media industries and commercial popular cultural forms in East Asia. Topics include reality TV, TV dramas, anime, and manga as well as issues such as regional cultural flows, global impact of Asian popular culture, and the localization of global media in East Asia.
Same as MDSC14H3/(MDSC41H3)

Exclusions:

Previous:
MDSC41H3

New:
MDSC14H3/(MDSC41H3)

Rationale: ACM changed their code and its double-numbered with GASC41H3. It has been changed from MDSC41H3 to MDSC14H3

Consultation: ACM Consultation: Oct 16, 2024
DCC Approval: October 10, 2024

Resources: None

Proposal Status: Under Review

GASD54H3: Watermarks: Environmental Justice and Histories of Water

Title:

Previous: Aqueous History: Water-Stories for a Future

New: Watermarks: Environmental Justice and Histories of Water

Exclusions:

Previous:
HISD54H3

New:
HISD54H3

Rationale: This title better describes the content covered in this course.

Consultation: DCC Approval: October 10, 2024

Resources: None

Proposal Status: Under Review

HISB05H3: How We Became Digital: Introduction to our Information Age

Title:

Previous: History of Information for a Digital Age

New: How We Became Digital: Introduction to our Information Age

Rationale: The course title is revised to better reflect the topics and content covered in this course.

Consultation: DCC Approval: October 10, 2024

Resources: None

Proposal Status: Under Review

HISB50H3: Africa in the Era of the Slave Trade

Description:

Previous:
An introduction to the history of Sub-Saharan Africa, from the era of the slave trade to the colonial conquests. Throughout, the capacity of Africans to overcome major problems will be stressed. Themes include slavery and the slave trade; pre-colonial states and societies; economic and labour systems; and religious change.
Africa and Asia Area
Same as AFSB50H3

New:
An introduction to the history of Sub-Saharan Africa, from the era of the slave trade to the colonial conquests. Throughout, the capacity of Africans to overcome major problems will be stressed. Themes include slavery and the slave trade; pre-colonial states and societies; economic and labour systems; and religious change.
Africa and Asia Area
Same as AFSB50H3

Prerequisites:

Previous:
Any modern history course or AFSA01H3.

New:

Recommended Preparation:

Previous:

New:
0.5 credit in a AFS or ANT or CLA or IDS or GEO or GAS or HIS or POL or SOC or WST course

Rationale:
The prerequisites have been removed. Instead, the department has added recommended preparation to make the course accessible to students from various disciplines, allowing it to fulfill elective or program requirements

Consultation:
DCC Approval January 24, 2025
AFS Consulted: December 18, 2024

Resources: None

Proposal Status: Under Review

HISB51H3: Africa from the Colonial Conquests to Independence

Description:

Previous:
Modern Sub-Saharan Africa, from the colonial conquests to the end of the colonial era. The emphasis is on both structure and agency in a hostile world. Themes include conquest and resistance; colonial economies; peasants and labour; gender and ethnicity; religious and political movements; development and underdevelopment; Pan-Africanism, nationalism and independence.
Same as AFSB51H3
Africa and Asia Area

New:
Modern Sub-Saharan Africa, from the colonial conquests to the end of the colonial era. The emphasis is on both structure and agency in a hostile world. Themes include conquest and resistance; colonial economies; peasants and labour; gender and ethnicity; religious and political movements; development and underdevelopment; Pan-Africanism, nationalism and independence.

Same as AFSB51H3
Africa and Asia Area

Recommended Preparation:

Previous:
AFSA01H3/HISA08H3 or AFSB50H3 or HISB50H3 strongly recommended.

New:
0.5 credit in a AFS or ANT or CLA or IDS or GEO or GAS or HIS or POL or SOC or WST course. AFSB50H3/HISB50H3 strongly recommended.

Rationale:
1. The course previously had no prerequisites, but now recommended preparation have been added. It has also been refined to ensure accessibility for students from various disciplines, allowing it to fulfill elective or program requirements.
2. Removing retired HISA08H3 course

Consultation:
DCC Approval: January 24, 2025
ASF Consulted: December 18, 2024

Resources: None

Proposal Status: Under Review

HISB52H3: African Religious Traditions Through History

Description:

Previous:
An interdisciplinary introduction to African and African diasporic religions in historic context, including traditional African cosmologies, Judaism, Christianity, Islam, as well as millenarian and synchretic religious movements.
Same as AFSB01H3
Africa and Asia Area

New:
An interdisciplinary introduction to African and African diasporic religions in historic context, including traditional African cosmologies, Judaism, Christianity, Islam, as well as millenarian and synchretic religious movements.

Same as AFSB01H3
Africa and Asia Area

Recommended Preparation:

Previous:
AFSA01H3/HISA08H3

New:
0.5 credit in a AFS or ANT or CLA or IDS or GEO or GAS or HIS or POL or SOC or WST course

Rationale:
1. The course previously had no prerequisites, now we have added recommended preparation. It has also been refined to ensure accessibility for students from various disciplines, allowing it to fulfill elective or program requirements.
2. Removing retired HISA08H3 preparation course.

Consultation:
DCC Approval: January 24, 2025
AFS Consulted: December 18, 2024

Resources: None

Proposal Status: Under Review

HISB54H3: Africa in the Postcolonial Era

Description:

Previous:
Africa from the 1960s to the present. After independence, Africans experienced great optimism and then the disappointments of unmet expectations, development crises, conflict and AIDS. Yet the continent's strength is its youth. Topics include African socialism and capitalism; structural adjustment and resource economies; dictatorship and democratization; migration and urbanization; social movements.
Same as AFSB54H3
Asia and Africa Area

New:
Africa from the 1960s to the present. After independence, Africans experienced great optimism and then the disappointments of unmet expectations, development crises, conflict and AIDS. Yet the continent's strength is its youth. Topics include African socialism and capitalism; structural adjustment and resource economies; dictatorship and democratization; migration and urbanization; social movements.

Same as AFSB54H3
Asia and Africa Area

Prerequisites:

Previous:
AFSA01H3 or AFSB51H3 or 0.5 credit in Modern History

New:

Recommended Preparation:

Previous:

New:
0.5 credit in a AFS or ANT or CLA or IDS or GEO or GAS or HIS or POL or SOC or WST course

Rationale: The prerequisites have been removed, and the department has added recommended preparation instead to make the course accessible to students from various disciplines, allowing to fulfill elective or program requirements.

Consultation:
DCC Approval: January 24, 2025
AFS Consulted: December 18, 2024

Resources: None

Proposal Status: Under Review

HISC07H3: The Past is a Sea of Data: Writing History in a Digital Age

Title:

Previous: Data, Text, and the Future of the Past

New: The Past is a Sea of Data: Writing History in a Digital Age

Rationale: The course title has been revised to better reflect the topics and content covered in this course.

Consultation: DCC Approval: October 10, 2024

Resources: None

Proposal Status: Under Review

HISC58H3: Delhi and London: Imperial Cities, Mobile People

Recommended Preparation:

Previous:
HISB02H3 or HISB03H3 or GASB57H3/HISB57H3 or GASB74H3/HISB74H3

New:
HISB02H3 or HISB03H3 or GASB57H3/HISB57H3

Rationale:
HISB74H4/GASB74H3 is retiring and no longer relevant as a recommended prep course

Consultation: DCC Approval: Oct 20, 2024

Resources: None

Proposal Status: Under Review

HISD16H3: Socialist Feminism in Global Context

Prerequisites:

Previous:
1.0 credit at the B-level and 1.0 credit at the C-level in HIS, WST, or other Humanities and Social Sciences courses

New:
4.0. credits, including 1.0 credit at the C-level in Humanities and Social Sciences courses

Rationale: Broaden the prerequisite to open up the course to students from various disciplines, to ensure this course it available to students in upper years, the prereq credit has been increased to 4.0.

Consultation: DCC Approval: January 24, 2025

Resources: None

Proposal Status: Under Review

HISD51H3: Southern Africa: Colonial Rule, Apartheid and Liberation

Prerequisites:

Previous:
8.0 credits including AFSB51H3/HISB51H3 or HISD50H3

New:
8.0 credits including HISB50H3/AFSB50H3 or HISB51H3/AFSB51H3 or HISB54H3/AFSB54H3 or HISC55H3/AFSC55H3

Rationale: The prerequisites have been updated to add additional courses to make the course accessible to students in History or African Studies disciples.

Consultation:
DCC Approval: January 24, 2025
AFS Consulted: December 18, 2024

Resources: None

Proposal Status: Under Review

HISD52H3: East African Societies in Transition

Description:

Prerequisites:

Previous:
8.0 credits including AFSB50H3/HISB50H3 or AFSB51H3/HISB51H3 or HISC55H3

New:
8.0 credits including HISB50H3/AFSB50H3 or HISB51H3/AFSB51H3 or HISB54H3/AFSB54H3 or HISC55H3/AFSC55H3

Rationale: The prerequisites have been updated to add additional courses to make the course accessible to students in History or African Studies disciples.

Consultation:
DCC Approval: January 24, 2025
AFS Consulted: December 18, 2024

Resources: None

Proposal Status: Under Review

HISD54H3: Watermarks: Environmental Justice and Histories of Water

Title:

Previous: Aqueous History: Water-Stories for a Future

New: Watermarks: Environmental Justice and Histories of Water

Exclusions:

Previous:
GASD54H3

New:
GASD54H3

Rationale: This title better reflects the content covered in this course.

Consultation: DCC Approval: October 10, 2024

Resources: None

Proposal Status: Under Review

HISD71H3: Community Engaged Fieldwork with Food

Description:

Previous:
This research seminar uses our immediate community of Scarborough to explore continuity and change within diasporic foodways. Students will develop and practise ethnographic and other qualitative research skills to better understand the many intersections of food, culture, and community. This course culminates with a major project based on original research.
Same as ANTD71H3

New:
This research seminar uses our immediate community of Scarborough to explore continuity and change within diasporic foodways. Students will develop and practise ethnographic and other qualitative research skills to better understand the many intersections of food, culture, and community. This course culminates with a major project based on original research.

Prerequisites:

Previous:
HISB14H3/(HISC14H3) or HISC04H3 or [2.0 credits in ANT courses of which 1.0 credit must be at the C-level] or permission of the instructor

New:
(HISB14H3) or (HISC04H3) or [2.0 credits in ANT courses of which 1.0 credit must be at the C-level] or permission of the instructor

Exclusions:

Previous:
ANTD71H3

New:
(ANTD71H3)

Rationale:
Prerequisites: Placing round brackets on retired HISB14H4 and HISC04H3 courses, and removing all double numbering of retired ANTD71H3 courses to ensure consistency throughout the Calendar

Consultation: DCC Approval: Jan 20, 2025

Resources: None

Proposal Status: Under Review

WSTB06H3: Women in Diaspora

Prerequisites:

Previous:
1.0 credit at the A-level in CLA, GAS, HIS or WST courses

New:
1.0 credit at the A-level in Humanities and Social Sciences courses

Rationale: Broaden the pre-requisite to open the courses to students from various discipline

Consultation: DCC Approval: January 24, 2025

Resources: None

Proposal Status: Under Review

WSTB10H3: Women, Power and Protest: Transnational Perspectives

Prerequisites:

Previous:
1.0 credit at the A-level in GAS, HIS, WST, or other Humanities and Social Sciences courses

New:
1.0 credit at the A-level in Humanities and Social Sciences courses

Rationale: Expanding the prerequisites to allow students from diverse disciplines to access the courses

Consultation: DCC Approval: January 24, 2025

Resources: None

Proposal Status: Under Review

WSTB20H3: Women, Gender, and the Environment

Title:

Previous: Feminism and The Environment

New: Women, Gender, and the Environment

Rationale: This title better reflects the content of the course.

Consultation: DCC Approval: October 24, 2024

Resources: None

Proposal Status: Under Review

WSTB25H3: LGBTQ History, Theory and Activism

Prerequisites:

Previous:
4.0 credits, including 1.0 credit in Humanities or Social Sciences

New:
1.0 credit at the A-level in Humanities and Social Science courses.

Rationale: The prerequisites have been broadened to provide diverse students access to this course

Consultation: DCC Approval: Jan 24, 2025

Resources: None

Proposal Status: Under Review

WSTC13H3: Women, Gender and Islam

Prerequisites:

Previous:
1.5 credits in WST courses including 0.5 credit at the B- or C-level

New:
2.0 credits at the A or B-level in Humanities and Social Sciences, including 0.5 credit in WST, CLA, HIS, or GAS courses

Recommended Preparation:

Previous:

New:
WSTB11H3

Rationale:
Broaden the pre-requisite to open up the courses to students from various disciplines, and also opening up the course to the students from 4 of the programs offered at Historical and Cultural Studies.

Consultation: DCC Approval: January 24, 2025

Resources: None

Proposal Status: Under Review

WSTC26H3: Critical Race and Black Feminist Theories

Description:

Prerequisites:

Previous:
WSTA03H3 and WSTB11H3 and an additional 1.0 credit in WST courses

New:
2.0 credits in Humanities and Social Sciences, 0.5 credit in WST.

Corequisites:

Exclusions:

Recommended Preparation:

Previous:

New:
WSTA03H3 and WSTB11H3

Rationale:
Broaden the pre-requisite to open up the courses to students from various discipline, removing some of the courses from being the mandatory to recommended area.

Consultation: DCC Approval: January 24, 2025

Resources: None

Proposal Status: Under Review

WSTD08H3: Abolition Feminisms: Rethinking Violence, Punishment and Safety

Title:

Previous: Abolition Feminisms

New: Abolition Feminisms: Rethinking Violence, Punishment and Safety

Prerequisites:

Previous:
[[WSTA03H3 and WSTB11H3] and [WSTB22H3 or WSTC26H3] and [1.0 additional credit in WST]] or [1.0 credit in WST and 6.0 credits in any other Humanities or Social Sciences discipline]

New:
2.0 credits in WST courses.

Recommended Preparation:

Previous:
HISB22H3/WSTB22H3, WSTC26H3

New:
WSTA03H3 and WSTB11H3

Rationale:
1. Changed the title to better reflect the content covered in this course
2. Prerequisites: Broaden the prerequisite to open the course to students within WST program.
3. Recommended prep courses: added courses from prerequisites to recommended preparation to continue to encourage students to take courses at a lower level on this topic

Consultation: DCC Approval: October 10, 2024

Resources: None

Proposal Status: Under Review

WSTD10H3: Creating Stories for Social Change

Prerequisites:

Previous:
3.5 credits in WST courses, including: [WSTB05H3 and 0.5 credit at the C-level]

New:
2.5 credits in WST courses, including: [WSTB05H3 and 0.5 credit at the C-level]

Rationale:
Broaden the prerequisite to open the courses to students in WST program

Consultation: DCC Approval: January 24, 2025

Resources: None

Proposal Status: Under Review

WSTD16H3: Socialist Feminism in Global Context

Prerequisites:

Previous:
[1.0 credit at the B-level] and [1.0 credit at the C-level in HIS, WST, or other Humanities and Social Sciences courses]

New:
4.0. credits, including 1.0 credit at the C-level in Humanities and Social Sciences courses

Rationale: Broaden the pre-requisite to open the courses to students from various discipline

Consultation: DCC Approval January 24, 2025

Resources: None

Estimated Enrolment: 15

Proposal Status: Under Review

17 Retired Courses - No Committee

GASB65H3: West Asia and the Modern World

Rationale: Course code change to HISA03H3.As a way to remove double numbered courses, this same course will be offered as HISA03H3. Same applies to HISB65H3 course

Consultation: DCC Approval: January 14, 2025

Resources: None

Proposal Status: Under Review

GASB74H3: Asian Foods and Global Cities

Rationale: Faculty that had taught the course left the unit.

Consultation: DCC Approval: October 10, 2024

Resources: None

Proposal Status: Under Review

GASC54H3: Eating and Drinking Across Global Asia

Rationale: The faculty member that taught this course has left our departmental unit as such we will no longer offer this course

Consultation: DCC Approval: January 14, 2025

Resources: None

Proposal Status: Under Review

GASD71H3: Cuisine, Culture, and Societies Across Global Asia

Rationale: This course is being deleted because the faculty teaching this course has retired

Consultation: DCC Approval: October 10, 2024

Resources: None

Proposal Status: Under Review

HISA08H3: Africa in the World: An Introduction

Rationale: This course is no longer being taught by Historians, as such HCS will no longer offer this course.

Consultation:
AFS Consulted: December 18, 2024
DCC Approval: January 24, 2025

Resources: None

Proposal Status: Under Review

HISB14H3: Edible History: History of Global Foodways

Rationale: Faculty that had taught the course left the unit and therefore this course is being retired

Consultation: DCC Approval: October 10, 2024

Resources: None

Proposal Status: Under Review

HISB37H3: History of Mexico

Rationale: Faculty that had taught the course left the unit and this course is no longer being taught with HCS

Consultation: DCC Approval: October 10, 2024

Resources: None

Proposal Status: Under Review

HISB65H3: West Asia and the Modern World

Rationale: Course code change to HISA03H3 As a way to remove double numbered courses, this same course will be offered as HISA03H3.

Consultation: DCC: January 14, 2025

Resources: None

Proposal Status: Under Review

HISB74H3: Asian Foods and Global Cities

Rationale: Faculty that had taught the course left the unit.

Consultation: DCC Approval: October 10, 2024

Resources: None

Proposal Status: Under Review

HISC04H3: Drink in History

Rationale: Faculty that had taught the course left the unit.

Consultation: DCC Approval: October 10, 2024

Resources: None

Proposal Status: Under Review

HISC05H3: Feeding the City: Food Systems in Historical Perspective

Rationale: Faculty that had taught the course left the unit.

Consultation: DCC Approval: October 10, 2024

Resources: None

Proposal Status: Under Review

HISC37H3: Eating and Drinking Across the Americas

Rationale: Faculty that had taught the course left the unit.

Consultation: DCC Approval: October 10, 2024

Resources: None

Proposal Status: Under Review

HISC54H3: Eating and Drinking Across Global Asia

Rationale: The faculty member that taught this course has left our departmental unit as such we will no longer offer this course; the same rationale applies to GASC54H3

Consultation: DCC Approval: January 14, 2025

Resources: None

Proposal Status: Under Review

HISC97H3: Women and Power in Africa

Rationale:

Course Code Change: HISC97H3 is now a part of the History course offerings. The committee believes that the course content aligns more closely with the objectives of Women's and Gender Studies (WST). This course code will be retired, and the course will be retained under the Women's and Gender Studies program with a WST prefix. This change aligns the course more appropriately with the Women's and Gender Studies curriculum. This course will be cross-listed for under History program to satisfy program requirements. (AFS) department is welcome to cross-list this course in their calendar.

Consultation:
AFS Consulted: December 18, 2024
DCC Consulted and Approved: January 24, 2025

Resources: None

Proposal Status: Under Review

HISD70H3: History of Empire and Foods

Rationale: Faculty that had taught the course left the unit.

Consultation: DCC Approval: October 10, 2024

Resources: None

Proposal Status: Under Review

HISD72H3: History of Beer and Brewing

Rationale: Faculty that had taught the course left the unit.

Consultation: DCC Approval: October 10, 2024

Resources: None

Proposal Status: Under Review

HISD73H3: Engendering Canadian Food History

Rationale: Faculty that had taught the course left the unit.

Consultation: DCC Approval: October 10, 2024

Resources: None

Proposal Status: Under Review

Language Studies (UTSC), Department of

2 Program Modifications

SCMAJ2156: MAJOR PROGRAM IN FRENCH (ARTS)

Completion Requirements:

Program Requirements
Students must complete 8.0 credits in French, including 2.0 credits at the C- or D-level, of which 0.5 credit must be at the D-level, as follows:

1. 3.5 credits in Language Practice:
FREA01H3 Language Practice I
FREA02H3 Language Practice II
FREB01H3 Language Practice III
FREB02H3 Language Practice IV
FREC01H3 Language Practice V
FREC02H3 Language Practice VI
FRED01H3 Language Practice VII: Written French
(Students with special proficiency in the French language may substitute other FRE courses with the permission of the Associate Chair)

2. 1.0 credit in Linguistics:
FREB08H3 Practical Translation I
FREB44H3 Introduction to Linguistics: French Phonetics and Phonology
FREB45H3 Introduction to Linguistics: French Morphology and Syntax
FREB46H3 History of the French Language

FREC44H3 French Semantics
FREC46H3 French Syntax
FREC48H3 Sociolinguistics of French
FREC47H3 Pidgin and Creole Languages (taught in English)

3. 1.0 credit in Culture:
Culture courses are:
FREB22H3 The Society and Culture of Québec
FREB27H3 Modern France
FREB28H3 The Francophone World
FREB70H3 Introduction to Film Analysis in French
FREB84H3 Folktale, Myth and the Fantastic in the French-Speaking World
FREC03H3 French in Action I: Practical Workshop in Theatre
FREC04H3 French in Action II: Creative Writing in French
FREC54H3 Paris Through the Ages
FREC70H3 Cinema, Movements and Genres
FREC83H3 Cultural Identities and Stereotypes in the French-Speaking World

4. 1.5 credits in Literature:
FREB50H3 Introduction to Literature in French I
and
1.0 credit in French Literature taken from the following:
FREB35H3 Francophone Literature
FREB36H3 The 20th Century Québec Novel
FREB37H3 Contemporary Québec Drama
FREB51H3 Literary History in Context: From the Middle Ages to the 17th Century
FREB55H3 Literary History in Context: 18th and 19th Centuries
FREC38H3 Topics in the Literature of Québec
FREC57H3 French Fiction of the 19th Century
FREC58H3 Literature of the Ancien Regime
FREC63H3 Topics in French Literature: Encountering Foreign Cultures: Travel Writing in French
FREC64H3 French Fiction of the 20th and 21st Centuries
FRED13H3 Advanced Topics in French Literature
FRED14H3 Advanced Topics in the Literature of Québec

5. 1.0 credit in French Linguistics, French Culture or Literature (where not already taken) or from the list below:

FREB11H3 French Language in the School System
FREB17H3 Spoken French: Conversation and Pronunciation
FREB18H3 Business French
FREB20H3 Teaching Children's Literature in French
FREC10H3 Community-Engaged Learning in the Francophone Community
FREC11H3 Teaching French as a Second Language
FREC18H3 Translation for Business and Professional Needs
FRED06H3 Language Practice VIII: Oral French

Notes:
1. At the A-level, only FREA01H3 and FREA02H3 may be counted towards a French Program.

2. For Co-op opportunities related to the Major Program in French, please see the ~~the~~ Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar*.
3. Major students cannot obtain more than 0.5 credit (out of 8.0 credits) by taking a course taught in English.

Description of Proposed Changes:
1. Adding FREC04H3 as a course option in Bin 3 – Culture
2. Editorial correction in Note #2

Rationale:
1. Adding FREC04H3 to Bin 3 - Culture fills a gap in the Major Program by offering students the chance to engage in creative writing, complementing FREC03H3 (French in Action I: Practical Workshop in Theatre) and other practical French courses. This course allows students to deepen their understanding of literature by approaching it from a creator's perspective, thereby enhancing both their analytical and language skills.
2. Editorial Correction in Note #2 with removing the extra "the" in the sentence.

Consultations:
Proposal approved by DCC: October 11, 2024

Resource Implications:
None

Proposal Status:
Under Review

SCSPE2156: SPECIALIST PROGRAM IN FRENCH (ARTS)

Completion Requirements:

Program Requirements
This program requires 12.0 credits as follows including at least 4.0 credits at the C- or D-level of which at least 1.0 credit must be at the D-level:

1. 3.5 credits in Language Practice:
FREA01H3 Language Practice I
FREA02H3 Language Practice II
FREB01H3 Language Practice III
FREB02H3 Language Practice IV
FREC01H3 Language Practice V
FREC02H3 Language Practice VI
FRED01H3 Language Practice VII: Written French
(Except where substitution of other French credits is permitted for students with special proficiency in the French language)

2. 2.0 credits in Linguistics:
FREB08H3 Practical Translation I
FREB44H3 Introduction to Linguistics: French Phonetics and Phonology
FREB45H3 Introduction to Linguistics: French Morphology and Syntax
FREB46H3 History of the French Language
FREC44H3 French Semantics
FREC46H3 French Syntax
FREC47H3 Pidgin and Creole Languages (taught in English)
FREC48H3 Sociolinguistics of French

3. 1.5 credits in Culture:
FREB22H3 The Society and Culture of Québec
FREB27H3 Modern France
FREB28H3 The Francophone World
FREB70H3 Introduction to Film Analysis in French
FREB84H3 Folktale, Myth and the Fantastic in the French-Speaking World
FREC03H3 French in Action I: Practical Workshop in Theatre
FREC04H3 French in Action II: Creative Writing in French
FREC54H3 Paris Through the Ages
FREC70H3 Cinema, Movements and Genres
FREC83H3 Cultural Identities and Stereotypes in the French-Speaking World

4. 3.0 credits in Literature which must include:
FREB50H3 Introduction to French Literature I
FREB35H3 Francophone Literature
and
1.0 credit in literature from Québec, selected from the following:
FREB36H3 The 20th Century Québec Novel
FREB37H3 Contemporary Québec Drama
FREC38H3 Topics in the Literature of Québec
FRED14H3 Advanced Topics in the Literature of Québec
and
1.0 credit in French Literature, selected from the following:
FREB51H3 Literary History in Context: From the Middle Ages to the 17th Century
FREB55H3 Literary History in Context: 18th and 19th Centuries
FREC57H3 French Fiction of the 19th Century
FREC58H3 Literature of the Ancient Regime
FREC63H3 Topics in French Literature: Encountering Foreign Cultures: Travel Writing in France
FREC64H3 French Fiction of the 20th and 21st Centuries
FRED13H3 Advanced Topics in French Literature

5. 2.0 additional credits in French Linguistics, French Culture or Literature (where not already taken) or from the list below:

FREB11H3 French Language in the School System
FREB17H3 Spoken French: Conversation and Pronunciation
FREB18H3 Business French
FREB20H3 Teaching Children's Literature in French

FREC10H3 Community-Engaged Learning in the Francophone Community
FREC11H3 Teaching French as a Second Language
FREC18H3 Translation for Business and Professional Needs
FRED06H3 Language Practice VIII: Oral French

Notes:
1. Specialist students (including CTEP) cannot obtain more than 0.5 credit (out of 12.0) by taking a course in English. This does not include CTEP courses taught in English through OISE.
2. At the A-level, only FREA01H3 and FREA02H3 may be counted towards a French Program.

Description of Proposed Changes:
Adding FREC04H3 as a course option in Bin 3 - Culture.

Rationale:
Adding FREC04H3 to Bin 3 - Culture fills a gap in the Specialist Program by offering students the chance to engage in creative writing, complementing FREC03H3 (French in Action I: Practical Workshop in Theatre) and other practical French courses. This course allows students to deepen their understanding of literature by approaching it from a creator's perspective, thereby enhancing both their analytical and language skills.

Consultations:
Proposal approved by DCC: October 11, 2024

Proposal Status:
Under Review

Consultation:
DCC approval October 11, 2024

Resources:
None

Proposal Status:
Under Review

14 Course Modifications

ECTC66H3: History of Translation

Recommended Preparation:

~~CTLA01H3 and/or LINB18H3, as well as one course from LGGC64H3, LGGC65H3, LGGD66H3, and LGGD67H3~~

Rationale:
The recommended preparation involving LGG courses is removed as LGG courses are no longer part of the ECT program. CTLA01H3 is part of the ECT program requirement, and most students will take CTLA01H3 before taking ECTC66H3.

Consultation:
DCC approval October 11, 2024

Resources:
None

Proposal Status:
Under Review

ECTC67H3: Special Topics in Translation

Recommended Preparation:

~~[CTLA01H3 or LINB18H3] as well as one course from [LGGC64H3, LGGC65H3, LGGD66H3, or LGGD67H3]~~

Rationale:
The recommended preparation involving LGG courses is removed as LGG courses are no longer part of the ECT program. CTLA01H3 is part of the ECT program requirement, and most students will take CTLA01H3 before taking ECTC67H3.

Consultation:
DCC approval October 11, 2024

Resources:
None

Proposal Status:
Under Review

ECTD63H3: Cultural Translation and Interpretation

Recommended Preparation:

~~[CTLA01H3 or LINB18H3] and one course from [LGGC64H3, LGGC65H3, LGGD66H3, or LGGD67H3]~~

Rationale:
The recommended preparation involving LGG courses is removed as LGG courses are no longer part of the ECT program. CTLA01H3 is part of the ECT program requirement, and most students will take CTLA01H3 before taking ECTD63H3.

Consultation:
DCC approval October 11, 2024

Resources:
None

Proposal Status:
Under Review

ECTD66H3: Translation and Adaptation

Recommended Preparation:

~~[CTLA01H3 or LINB18H3], ECTC62H3, as well as one course from LGGC64H3, LGGC65H3, LGGD66H3, or LGGD67H3]~~

Rationale:
The recommended preparation involving LGG courses is removed as LGG courses are no longer part of the ECT program. CTLA01H3 is part of the ECT program requirement, and most students will take CTLA01H3 before taking ECTD66H3.

Consultation:
DCC approval October 11, 2024

Resources:
None

Proposal Status:
Under Review

ECTD67H3: Translation and the Arts

Recommended Preparation:

~~[CTLA01H3 or LINB18H3] as well as one course from [LGGC64H3, LGGC65H3, LGGD66H3, or LGGD67H3]~~

Rationale:
The recommended preparation involving LGG courses is removed as LGG courses are no longer part of the ECT program. CTLA01H3 is part of the ECT program requirement, and most students will take CTLA01H3 before taking ECTD67H3.

Consultation:
DCC approval Oct 11, 2024

Resources:
None

Proposal Status:
Under Review

ECTD68H3: Translation for Business

Prerequisites:

~~[~~ECTB58H3 or ECTB61H3~~] and [LGGC64H3 or LGGC65H3 or LGGD66H3/(LGGC67H3) or LGGD67H3/(LGGC66H3)]. Students must have a minimum GPA of 70% in one of the four LGG bilingual courses (or an equivalent through an interview).~~

Rationale:
The prerequisite involving LGG courses is removed as LGG courses are no longer part of the ECT program.

Consultation:
DCC approval October 11, 2024

Resources:
None

Proposal Status:
Under Review

ECTD69H3: Translation for Government and Public Administration

Prerequisites:

[ECTB58H3 or ECTB61H3]~~ and [LGGC64H3 or LGGC65H3 or LGGD66H3/(LGGC67H3) or LGGD67H3/LGGC66H3)]. Students must have a minimum GPA of 70% in one of the four LGG bilingual courses (or an equivalent through an interview)~~.

Rationale:
The prerequisite involving LGG courses is removed as LGG courses are no longer part of the ECT program.

Consultation:
DCC approval Oct 11, 2024

Resources:
None

Proposal Status:
Under Review

FREA96H3: Introductory French I

Title Change:

~~Introductory~~Beginner French I

Rationale:
Students in FREA96 – FREA99 are sometimes confused about the intended levels of these introductory courses. We are standardizing all course titles (FREA96 – FREA99) to be "Beginner," in the hopes of making this clearer to students.

Consultation:
DCC approval October 11, 2024

Resources:
None

Proposal Status:
Under Review

FREA97H3: Introductory French II

Title Change:

~~Introductory~~Beginner French II

Rationale:
Students in FREA96 – FREA99 are sometimes confused about the intended levels of these introductory courses. We are standardizing all course titles (FREA96 – FREA99) to be "Beginner," in the hopes of making this clearer to students.

Consultation:
DCC approval Oct 11, 2024

Resources:
None

Proposal Status:
Under Review

FREA98H3: Intermediate French I

Title Change:

~~Intermediate~~Beginner French III

Rationale:
Students in FREA96 – FREA99 are sometimes confused about the intended levels of these introductory courses. We are standardizing all course titles (FREA96 – FREA99) to be "Beginner," in the hopes of making this clearer to students.

We have had problems with students enrolling in FREA98 who are much too advanced for the course. The previous title of FREA98, "Intermediate French I," seemed to cause confusion, since "Intermediate" usually indicates a higher level than what is taught in this course. We are hoping that by calling all courses in the FREA96-FREA99 series "Beginner", that we can make it clearer that students who have studied French up until Grade 12 in high school should not enrol in these courses.

Consultation:
DCC approval October 11, 2024

Resources:
None

Proposal Status:
Under Review

FREA99H3: Intermediate French II

Title:

~~Intermediate~~Beginner French I~~I~~V

Rationale:
Students in FREA96 – FREA99 are sometimes confused about the intended levels of these introductory courses. We are standardizing all course titles (FREA96 – FREA99) to be "Beginner," in the hopes of making this clearer to students.

We have had problems with students enrolling in FREA99 who are much too advanced for the course. The previous title of FREA99, "Intermediate French II," seemed to cause confusion, since "Intermediate" usually indicates a higher level than what is taught in this course. We are hoping that by calling all courses in the FREA96-FREA99 series "Beginner", that we can make it clearer that students who have studied French up until Grade 12 in high school should not enrol in these courses.

Consultation:
DCC approval Oct 11, 2024

Resources:
None

LGGA64H3: Chinese I for Students with Prior Backgrounds

Exclusions:

(LGGA62H3), (LGGB64H3), EAS101Y1, CHI101H5. LGGB60H3, LGGB61H3, LGGB62H3, LGGB63H3, LGGC60H3, LGGC61H3, and all EAS/CHI 200- and higher-level Chinese language courses. The instructor has the authority to exclude students whose level of proficiency is unsuitable for the course. ~~(LGGA62H3), (LGGB64H3). All EAS, CHI and LGG Chinese language courses. The instructor has the authority to exclude students whose level of proficiency is unsuitable for the course.~~

Rationale:
Based on the assessment of Professor Helen Wu, who has created all of the department's LGG Chinese courses, students who were permitted to take LGGA60 and/or LGGA61 (or their equivalents at other campuses) should not be excluded from LGGA64. After taking the courses designed for true beginners, they should have the option to take LGGA64 to further develop their language skills.

As well, not all LGGA- and LGGB-level Chinese courses are offered in the semester, not even in the same academic year. Hence, the updated Exclusion could give students more choices, by giving them the opportunity to take LGGA64 when no LGGB** Chinese courses are available.

Consultation:
DCC approval: February 21 2025

Resources:
None

Proposal Status:
Under Review

LGGA65H3: Chinese II for Students with Prior Backgrounds

Exclusions:

(LGGA63H3), (LGGB65H3). EAS101Y1, CHI101H5. LGGB601H3, LGGB61H3, LGGB62H3, LGGB63H3, LGGC60H3, LGGC61H3, and all EAS/CHI 200- and higher-level Chinese language courses. The instructor has the authority to exclude students whose level of proficiency is unsuitable for the course. ~~(LGGA63H3), (LGGB65H3). All EAS, CHI and LGG Chinese language courses except LGGA64H3 or (LGGB64H3) or (LGGA62H3). The instructor has the authority to exclude students whose level of proficiency is unsuitable for the course, including those students who meet the prerequisite.~~

Rationale:
Based on the assessment of Professor Helen Wu, who has created all of the department's LGG Chinese courses, students who were permitted to take LGGA60 and/or LGGA61 (or their equivalents at other campuses) should not be excluded from LGGA65. After taking the courses designed for true beginners, they should have the option to take LGGA65 to further develop their language skills.

As well, not all LGGA- and LGGB-level Chinese courses are offered in the semester, not even in the same academic year. Hence, the updated Exclusion could give students more choices, by giving them the opportunity to take LGGA65 when no LGGB** Chinese courses are available.

Consultation:
DCC approval: February 21 2025

Resources:
None

Proposal Status:
Under Review

LINB30H3: Programming for Linguists

Exclusions:

LINB19H3, CSCA08H3, CSCA48H3, CSCA20H3, CSC108H, CSC110H, CSC120H, CSC108H5, CSC148H5

Rationale:
LINB30 is being offered for the first time in Fall 2024. The course exclusions have been revised to include CSC courses across the tri-campus with overlapping content.

Consultation:
DCC approval Oct 11, 2024

Resources:
None

Proposal Status:
Under Review

Management (UTSC), Department of

5 Minor Program Modifications

SCMAJ0133: MAJOR PROGRAM IN ECONOMICS FOR MANAGEMENT STUDIES (ARTS)

Completion Requirements:

Previous:
Program Requirements

The Program consists of a total of 8.0 credits, and must include:

0.5 credit in Mathematics
MATA34H3 Calculus for Management

Required Economics Courses (4.5 credits)
MGEA02H3 and MGEA06H3
MGEB02H3 and MGEB06H3
MGEB11H3 and MGEB12H3
MGEC02H3 and MGEC06H3
MGEC11H3

2.0 credits from Economics for Management Studies courses including 1.5 credits at the C-level (or higher) [excluding MGEC91H3, MGEC92H3, and MGEC93H3].

1.0 credit in any economics courses offered by the Department of Management; OR any courses offered by the Department of Language Studies, Department of Arts, Culture and Media, Department of English, Department of Historical and Cultural Studies, and the Department of Philosophy.

Students must also complete MATA34H3 or [[MATA29H3 or MATA30H3 or MATA31H3 or MATA32H3] and [MATA33H3 or MATA35H3 or MATA36H3 or MATA37H3]].

Note: Students who take MGEA01H3 and MGEA05H3 and then decide to apply to this program will be permitted to substitute MGEA01H3 and MGEA05H3 for [MGEA02H3 & MGEA06H3]. However, these students will be required to complete MATA34H3 or [[MATA29H3 or MATA30H3 or MATA31H3 or MATA32H3] and [MATA33H3 or MATA35H3 or MATA36H3 or MATA37H3]], **before** registering in MGEB02H3, MGEB06H3, MGEB11H3, and MGEB12H3.

STUDENTS WHO ARE CONSIDERING COMBINING PROGRAMS BETWEEN ECONOMICS AND STATISTICS

For students who are intending to pursue a major in Economics with a major or minor in Statistics, we advise the following recommended sequence of required courses. If the sequence outlined below is not followed, it may result in the student taking exclusions and incurring an "EXTRA" credit. An "EXTRA" credit does NOT count towards the 20-credit degree requirement.

1) Students in the Minor Program in Applied Statistics and the Major Program in Economics should take (in order)

MGEB11H3
MGEB12H3
MGEC11H3*
STAC67H3

2) Students in all other Statistics programs and the Major Program in Economics should take (in order).

STAB52H3 or STAB53H3
STAB57H3
MGEB12H3
MGEC11H3*
STAC67H3

* MGEC11H3 may be taken concurrently with STAC67H3. However, if MGEC11H3 is taken after STAC67H3, it will count as an "EXTRA" course and no credit will be given for the degree requirements.

New:
Program Requirements

The Program consists of a total of 8.0 credits, and must include:

0.5 credit in Mathematics
MATA34H3 Calculus for Management

Required Economics Courses (4.5 credits)
MGEA02H3 and MGEA06H3
MGEB02H3 and MGEB06H3
MGEB11H3 and MGEB12H3

MGEC02H3 and MGEC06H3
MGEC11H3

2.0 credits from Economics for Management Studies courses including 1.5 credits at the C-level (or higher) [excluding MGEC91H3, MGEC92H3, and MGEC93H3].

1.0 credit in any economics courses offered by the Department of Management; OR any courses offered by the Department of Language Studies, Department of Arts, Culture and Media, Department of English, Department of Historical and Cultural Studies, and the Department of Philosophy.

Students must also complete MATA34H3 or [[MATA29H3 or MATA30H3 or MATA31H3 or MATA32H3] and [MATA33H3 or MATA35H3 or MATA36H3 or MATA37H3]].

Note: Students who take MGEA01H3 and MGEA05H3 and then decide to apply to this program will be permitted to substitute MGEA01H3 and MGEA05H3 for [MGEA02H3 & MGEA06H3]. However, these students will be required to complete MATA34H3 or [[MATA29H3 or MATA30H3 or MATA31H3 or MATA32H3] and [MATA33H3 or MATA35H3 or MATA36H3 or MATA37H3]], **before** registering in MGEB02H3, MGEB06H3, MGEB11H3, and MGEB12H3.

STUDENTS WHO ARE CONSIDERING COMBINING PROGRAMS BETWEEN ECONOMICS AND STATISTICS
For students who are intending to pursue a major in Economics with a major or minor in Statistics, we advise the following recommended sequence of required courses. If the sequence outlined below is not followed, it may result in the student taking exclusions and incurring an "EXTRA" credit. An "EXTRA" credit does NOT count towards the 20-credit degree requirement.

1) Students in the Minor Program in Applied Statistics and the Major Program in Economics should take (in order)
MGEB11H3
MGEB12H3
MGEC11H3*

2) Students in all other Statistics programs and the Major Program in Economics should take (in order).
STAB52H3 *or* STAB53H3
STAB57H3
MGEB12H3
MGEC11H3*
STAC67H3

* MGEC11H3 may be taken concurrently with STAC67H3. However, if MGEC11H3 is taken after STAC67H3, it will count as an "EXTRA" course and no credit will be given for the degree requirements.

Description of Proposed Changes:
Minor Program in Applied Stats and Major Program in Economies heading: Removal of STAC67H3 from the list of mandatory courses

Rationale:
The change is to correct the typo made in the note since the Minor Program in Applied Statistics does not require STAC67H3 so that it captures the correct list of statistics courses for students enrolled in both the Major Program in Economics and the Minor Program in Applied Statistics.

Impact: None

Consultations: DCC Approval: September 20, 2024

Resource Implications: None.

Proposal Status: Under Review

SCSPE1332: SPECIALIST (CO-OPERATIVE) PROGRAM IN ECONOMICS FOR MANAGEMENT STUDIES (BACHELOR OF BUSINESS ADMINISTRATION)

Enrolment Requirements:

Previous:
Enrolment Requirements
Enrolment in this Program is limited.

1. Students applying directly from high school are admitted on the basis of academic performance. They must have completed Grade 12 English and Grade 12 Calculus.
Course Guidelines for Students Admitted to B.B.A. Co-op Programs Directly from High school students must complete the following courses in their first year of study: MGEA02H3, MGEA06H3, MATA34H3, MGAB01H3, MGAB02H3, MGHA12H3, MGMA01H3, and MGTA38H3.

2. Students requesting admission after the first year must request ONLY ONE Management Co-op Subject POSt on ACORN. Students may apply at the end of the Winter semester and/or at the end of the Summer semester. Application for admission will be considered only for the round during which the student has made the Subject POSt request.

The minimum Cumulative Grade Point Average (CGPA) for Program admission is calculated for each application period and is based on University of Toronto courses only. Normally, the minimum CGPA requirement for Co-op Programs will be higher than for non Co-op Programs. Decisions are made when all grades have been received.

Students must have completed the following courses (or their equivalent): MGEA02H3, MGEA06H3, MGTA38H3, and MATA34H3. However [[MATA29H3 or MATA30H3 or MATA31H3 or (MATA32H3)] and [(MATA33H3) or MATA35H3 or MATA36H3 or MATA37H3]] may also be used to satisfy the calculus requirement. None of the courses listed above (or their equivalent) can be designated as CR/NCR. Of the total credits that students have completed when they apply, at least 4.0 credits must be in University of Toronto courses that have been graded (i.e., not designated as CR/NCR). Students may apply until they have completed up to 10.0 credits. Students who have completed more than 10.0 credits will not be considered for admission to the Program.

Applicants must submit a resume and covering letter to the Management Co-op Office during the limited Subject POSt request period outlined on the Office of the Registrar website. For information on what to include in your resume and covering letter, visit the Management Co-op Office website. An interview may also be required.

CGPA Requirement to Remain in the Program
Students whose CGPA falls below 2.5 will be placed on probation; Students whose CGPA falls below 2.3 will be removed from Co-op, and students whose CGPA falls below 2.0 will be removed from all BBA programs. A student may request reinstatement to the non Co-op Specialist Program only if they complete at least 2.0 credits (none of which can be designated as CR/NCR) in the following session and raise their CGPA to at least 2.0. This opportunity will be provided only once.

Most internal admissions to Management Co-op will be done at the end of the Winter semester. Based on availability, a small number of students who apply at the end of the Summer semester may be admitted.

New:
Enrolment Requirements
Enrolment in this Program is limited.

1. Students applying directly from high school are admitted on the basis of academic performance. They must have completed Grade 12 English and Grade 12 Calculus.
Course Guidelines for Students Admitted to B.B.A. Co-op Programs Directly from High school students must complete the following courses in their first year of study: MGEA02H3, MGEA06H3, MATA34H3, MGAB01H3, MGAB02H3, MGHA12H3, MGMA01H3, and MGTA38H3.

2. Students requesting admission after the first year must request ONLY ONE Management Co-op Subject POSt on ACORN. Students may apply at the end of the Winter semester and/or at the end of the Summer semester. Application for admission will be considered only for the round during which the student has made the Subject POSt request.

The minimum Cumulative Grade Point Average (CGPA) for Program admission is calculated for each application period and is based on University of Toronto courses only. Normally, the minimum CGPA requirement for Co-op Programs will be higher than for non Co-op Programs. Decisions are made when all grades have been received.

Students must have completed the following courses (or their equivalent): MGEA02H3, MGEA06H3, and MATA34H3. However [[MATA29H3 or MATA30H3 or MATA31H3 or (MATA32H3)] and [(MATA33H3) or MATA35H3 or MATA36H3 or MATA37H3]] may also be used to satisfy the calculus requirement. None of the courses listed above (or their equivalent) can be designated as CR/NCR. Of the total credits that students have completed when they apply, at least 4.0 credits must be in University of Toronto courses that have been graded (i.e., not designated as CR/NCR). Students may apply until they have completed up to 10.0 credits. Students who have completed more than 10.0 credits will not be considered for admission to the Program.

Applicants must submit a resume and covering letter to the Management Co-op Office during the limited Subject POSt request period outlined on the Office of the Registrar website. For information on what to include in your resume and covering letter, visit the Management Co-op Office website. An interview may also be required.

CGPA Requirement to Remain in the Program
Students whose CGPA falls below 2.5 will be placed on probation; Students whose CGPA falls below 2.3 will be removed from Co-op, and students whose CGPA falls below 2.0 will be removed from all BBA programs. A student may request reinstatement to the non Co-op Specialist Program only if they complete at least 2.0 credits (none of which can be designated as CR/NCR) in the following session and raise their CGPA to at least 2.0. This opportunity will be provided only once.

Most internal admissions to Management Co-op will be done at the end of the Winter semester. Based on availability, a small number of students who apply at the end of the Summer semester may be admitted.

Description of Proposed Changes:
Enrolment Requirements: the removal of MGTA38H3 required course from the list of courses in point # 2.

Rationale:
MGTA38H3 is not a course required by internal applicants to take before applying to the BBA because enrolment is restricted to students in our BBA programs. This is an error that is being corrected.

Impact: None.

Consultations: DCC Approval: September 20, 2024

Resource Implications: None.

Proposal Status: Under Review

SCSPE2432F: SPECIALIST PROGRAM IN MANAGEMENT AND FINANCE (BACHELOR OF BUSINESS ADMINISTRATION)

Completion Requirements:

Previous:
Program Requirements
The Program requires the completion of 13.5 credits as part of a twenty-credit B.B.A. degree.

Note: A single course may only be used once to fulfill one of the following requirements:

1. (6.5 credits):
MGMA01H3 Principles of Marketing
MGTA38H3 Management Communications
MGAB01H3 Introductory Financial Accounting I

MGAB02H3 Introductory Financial Accounting II
MGAB03H3 Introductory Management Accounting
MGFB10H3 Principles of Finance
MGHA12H3 Human Resource Management
MGHB02H3 Managing People and Groups in Organizations
MGMB01H3 Marketing Management
MGFC10H3 Intermediate Finance
MGHC02H3 Management Skills
MGOC10H3 Analytics for Decision Making
MGOC20H3 Operations Management

2. (0.5 credit):
MATA34H3
or
[[MATA29H3/MATA30H3/MATA31H3/(MATA32H3)] and [(MATA33H3)/MATA35H3/MATA36H3/MATA37H3]]

3. At least 0.5 credit of courses emphasizing strategic management, chosen from:
MGSB01H3 Introduction to Strategy
MGSC01H3 Strategic Management I
MGSC03H3 Public Management
MGSC05H3 The Changing World of Business-Government Relations
MGSC10H3 Business Strategy in the Digital Age
MGSC12H3 Narrative and Management
MGSC14H3 Management Ethics
MGSC20H3 Consulting and Contracting: New Ways of Work
MGSB22H3 Entrepreneurship
MGSD24H3 New Venture Creation and Planning
MGSC30H3 The Legal Environment of Business I

4. (3.0 credits):
MGEA02H3 Introduction to Microeconomics: A Mathematical Approach
MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach
MGEB02H3 Price Theory: A Mathematical Approach
MGEB06H3 Macroeconomic Theory and Policy: A Mathematical Approach
MGEB11H3 Quantitative Methods in Economics I
MGEB12H3 Quantitative Methods in Economics II

5. (1.0 credit):
MGFC30H3 Introduction to Derivative Markets
MGFC35H3/(MGFD10H3) Investments

6. At least 2.0 credits from:
MGEC71H3 Money and Banking
MGFC20H3 Personal Financial Management?
MGFC45H3 Portfolio Management: Theory and Practice
MGFC50H3 International Financial Management
MGFC60H3 Financial Statement Analysis & Security Valuation
MGFD15H3 Private Equity
MGFD25H3 Financial Technologies and Applications (FinTech)
MGFD30H3 Risk Management
MGFD40H3 Investor Psychology & Behavioural Finance
MGFD50H3 Mergers & Acquisitions: Theory & Practice
MGFD60H3 Financial Modelling & Trading Strategies
MGFD70H3 Advanced Financial Management

Note: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in the Degree Requirements section of the UTSC *Calendar*.

New:
Program Requirements
The Program requires the completion of 13.5 credits as part of a twenty-credit B.B.A. degree.

Note: A single course may only be used once to fulfill one of the following requirements:

1. (6.5 credits):
MGAB01H3 Introductory Financial Accounting I
MGAB02H3 Introductory Financial Accounting II
MGAB03H3 Introductory Management Accounting
MGFB10H3 Principles of Finance
MGFC10H3 Intermediate Finance
MGHA12H3 Human Resource Management
MGHB02H3 Managing People and Groups in Organizations
MGHC02H3 Management Skills
MGMA01H3 Principles of Marketing
MGMB01H3 Marketing Management

MGOC10H3 Analytics for Decision Making
MGOC20H3 Operations Management
MGTA38H3 Management Communications

2. (0.5 credit):
MATA34H3
or
[[MATA29H3/MATA30H3/MATA31H3/(MATA32H3)] and [(MATA33H3)/MATA35H3/MATA36H3/MATA37H3]]

3. At least 0.5 credit of courses emphasizing strategic management, chosen from:
MGSB01H3 Introduction to Strategy
MGSB22H3 Entrepreneurship
MGSC01H3 Strategic Management I
MGSC03H3 Public Management
MGSC05H3 The Changing World of Business-Government Relations
MGSC10H3 Business Strategy in the Digital Age
MGSC12H3 Narrative and Management
MGSC14H3 Management Ethics
MGSC20H3 Consulting and Contracting: New Ways of Work
MGSC30H3 The Legal Environment of Business I
MGSD24H3 New Venture Creation and Planning

4. (3.0 credits):
MGEA02H3 Introduction to Microeconomics: A Mathematical Approach
MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach
MGEB02H3 Price Theory: A Mathematical Approach
MGEB06H3 Macroeconomic Theory and Policy: A Mathematical Approach
MGEB11H3 Quantitative Methods in Economics I
MGEB12H3 Quantitative Methods in Economics II

5. (1.0 credit):
MGFC30H3 Introduction to Derivative Markets
MGFC35H3/(MGFD10H3) Investments

6. At least 2.0 credits from:
Any C- or D-level Finance courses (MGF)
and/or
MGEC71H3 Money and Banking.

Note: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in the Degree Requirements section of the UTSC *Calendar*.

Description of Proposed Changes:
1. Requirement 1: all courses are rearranged to ensure alphabetical order
2. Requirement 6 The removal of the list of courses and titles in requirement #6 and replacing them with a general sentence that captures all C and D level courses in the finance area including MGEC71H3

Rationale:
1. this is an editorial change to ensure consistency throughout the calendar
2. Course offerings in Finance have increased over time, which generally triggers new curriculum proposals. The proposed change to requirement #6 will allow all finance electives to fulfill this specific program requirement. The advantage of using a general statement is that when the area introduces any new courses, they will automatically be included in this requirement. This helps to provide students flexibility with completing this program required and will eliminate the need for updated proposals every year.

Impact: None

Consultations: DCC Approval: September 20, 2024

Resource Implications: None.

Proposal Status: Under Review

SCSPE2432Q: SPECIALIST PROGRAM IN STRATEGIC MANAGEMENT - Entrepreneurship Stream (BACHELOR OF BUSINESS ADMINISTRATION)

Completion Requirements:

Previous:
To complete the program, a student must meet the course requirements described below. The program requirements comprise a core 10.5 credits, and an additional 3.5 credits for the Entrepreneurship stream (14.0 credits total.)

Note: A single course may only be used once to fulfill one of the following program requirements.

Core (10.5 credits):

1. (7.0 credits):
MGMA01H3 Principles of Marketing
MGTA38H3 Management Communications
MGAB01H3 Introductory Financial Accounting I

MGAB02H3 Introductory Financial Accounting II
MGAB03H3 Introductory Management Accounting
MGFB10H3 Principles of Finance
MGHA12H3 Human Resource Management
MGHB02H3 Managing People and Groups in Organizations
MGMB01H3 Marketing Management
MGFC10H3 Intermediate Finance
MGHC02H3 Management Skills
MGOC10H3 Analytics for Decision Making
MGOC20H3 Operations Management
and
0.5 credit at the D-level in either Management or Economics for Management Studies courses

2. (0.5 credit):
MATA34H3
or
[[MATA29H3/MATA30H3/MATA31H3/(MATA32H3)] and [(MATA33H3)/MATA35H3/MATA36H3/MATA37H3]]

3. (3.0 credits):
MGEA02H3 Introduction to Microeconomics: A Mathematical Approach
MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach
MGEB02H3 Price Theory: A Mathematical Approach
MGEB06H3 Macroeconomic Theory and Policy: A Mathematical Approach
MGEB11H3 Quantitative Methods in Economics I
MGEB12H3 Quantitative Methods in Economics II

Entrepreneurship Stream (3.5 credits):

4. Foundation Courses - 1.0 credit:
MGSB01H3 Introduction to Strategy
MGSC01H3 Strategic Management I

5. Concentration Courses – 1.5 credits:
MGSB22H3 Entrepreneurship
MGSC35H3 Innovation
MGFD15H3 Private Equity

6. Advanced Course – 0.5 credit:
MGSD24H3 New Venture Creation and Planning

7. Elective Courses – 0.5 credit from:
MGSC05H3 The Changing World of Business-Government Relations
MGSC10H3 Business Strategy in the Digital Age
MGSC14H3 Management Ethics
MGSD05H3 Strategic Management II
MGSD15H3 Managing in the Information Economy
MGSD40H3 Corporate Social Responsibility
MGSC03H3 Public Management
MGSC12H3 Narrative and Management
MGSC20H3 Consulting and Contracting: New Ways of Work
MGSC30H3 The Legal Environment of Business I
MGSD01H3 Senior Seminar in Strategic Management
MGSD30H3 Intellectual Property Law
MGEC11H3 Introduction to Regression Analysis
MGEC41H3 Industrial Organization
MGED43H3 Organization Strategies
MGSD55H3 Strategy and Technology

Note: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in the Degree Requirements section of the UTSC *Calendar*.

New:

To complete the program, a student must meet the course requirements described below. The program requirements comprise a core 10.5 credits, and an additional 3.5 credits for the Entrepreneurship stream (14.0 credits total.)

Note: A single course may only be used once to fulfill one of the following program requirements.

Core (10.5 credits):

1. (7.0 credits):
MGAB01H3 Introductory Financial Accounting I
MGAB02H3 Introductory Financial Accounting II
MGAB03H3 Introductory Management Accounting

MGFB10H3 Principles of Finance
MGFC10H3 Intermediate Finance
MGHC02H3 Management Skills
MGHA12H3 Human Resource Management
MGHB02H3 Managing People and Groups in Organizations
MGMA01H3 Principles of Marketing
MGMB01H3 Marketing Management
MGOC10H3 Analytics for Decision Making
MGOC20H3 Operations Management
MGTA38H3 Management Communications
and
0.5 credit at the D-level in either Management or Economics for Management Studies courses

2. (0.5 credit):
MATA34H3
or
[[MATA29H3 or MATA30H3 or MATA31H3 or (MATA32H3)] and [(MATA33H3) or MATA35H3 or MATA36H3 or MATA37H3]]

3. (3.0 credits):
MGEA02H3 Introduction to Microeconomics: A Mathematical Approach
MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach
MGEB02H3 Price Theory: A Mathematical Approach
MGEB06H3 Macroeconomic Theory and Policy: A Mathematical Approach
MGEB11H3 Quantitative Methods in Economics I
MGEB12H3 Quantitative Methods in Economics II

Entrepreneurship Stream (3.5 credits):

4. Foundation Courses - 1.0 credit:
MGSB01H3 Introduction to Strategy
MGSC01H3 Strategic Management I

5. Concentration Courses – 1.5 credits:
MGSB22H3 Entrepreneurship
MGSC35H3 Innovation
[MGSC26H3 Venture Capital or MGFD15H3 Private Equity]

6. Advanced Course – 0.5 credit:
MGSD24H3 New Venture Creation and Planning

7. Elective Courses – 0.5 credit from:
MGEC11H3 Introduction to Regression Analysis
MGEC41H3 Industrial Organization
MGED43H3 Organization Strategies.
or any C- or D-level Strategy course (MGS)

Note: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in the Degree Requirements section of the UTSC *Calendar*.

Description of Proposed Changes:
1. Requirement 1: arranged courses in alphabetical order.
2. Requirement 5: Added MGSC26H3 as an alternative choice for program requirement and arranged courses in alphabetical order
3. Requirement 7: Removal of the list of courses and titles in requirement #7 and replacing them with a sentence that captures all C and D level courses in the MGS Strategy area including specific Economic courses.

Rationale:
1. This is an editorial change to ensure consistency throughout the calendar.
2. Adding MGSC26H3 provides students with another course option. Also, its content is relevant as it instructs on venture capital and other sources of private equity from an entrepreneurial perspective.
3. Course offerings in Strategic Management have increased over time. The proposed rewording of this requirement will allow students with more flexibility to complete this specific program requirement. The advantage of using a general statement is that when the area introduces any new courses, they will automatically be included in this requirement. This will eliminate the need to update proposals every year, decrease inefficiencies and provide a larger diverse pool of courses for students to choose from. In addition, the proposed change does not affect the learning outcomes of the program.

Impact: None

Consultations: DCC Approval: September 20, 2024

Resource Implications: None.

Proposal Status: Under Review

SCSPE24320: SPECIALIST PROGRAM IN STRATEGIC MANAGEMENT - Management Strategy Stream (BACHELOR OF BUSINESS ADMINISTRATION)

Completion Requirements:

Previous:
To complete the program, a student must meet the course requirements described below. The program requirements comprise a core 10.5 credits, and an additional 3.5 credits for the Management Strategy stream (14.0 credits total.)

Note: A single course may only be used once to fulfill one of the following program requirements.

Core (10.5 credits):

1. (7.0 credits):
MGMA01H3 Principles of Marketing
MGTA38H3 Management Communications
MGAB01H3 Introductory Financial Accounting I
MGAB02H3 Introductory Financial Accounting II
MGAB03H3 Introductory Management Accounting
MGFB10H3 Principles of Finance
MGHA12H3 Human Resource Management
MGHB02H3 Managing People and Groups in Organizations
MGMB01H3 Marketing Management
MGFC10H3 Intermediate Finance
MGHC02H3 Management Skills
MGOC10H3 Analytics for Decision Making
MGOC20H3 Operations Management
and
0.5 credit at the D-level in either Management or Economics for Management Studies courses

2. (0.5 credit):
MATA34H3
or
[[MATA29H3/MATA30H3/MATA31H3/(MATA32H3)] and [(MATA33H3)/MATA35H3/MATA36H3/MATA37H3]]

3. (3.0 credits):
MGEA02H3 Introduction to Microeconomics: A Mathematical Approach
MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach
MGEB02H3 Price Theory: A Mathematical Approach
MGEB06H3 Macroeconomic Theory and Policy: A Mathematical Approach
MGEB11H3 Quantitative Methods in Economics I
MGEB12H3 Quantitative Methods in Economics II

Management Strategy Stream (3.5 credits):

4. Foundation Courses - 1.0 credit:
MGSB01H3 Introduction to Strategy
MGSC01H3 Strategic Management I

5. Concentration Courses – 1.5 credits from:
MGSC05H3 The Changing World of Business-Government Relations
MGSC10H3 Business Strategy in the Digital Age
MGSC14H3 Management Ethics
MGSC35H3 Innovation
MGSD05H3 Strategic Management II
MGSD40H3 Corporate Social Responsibility
MGEC11H3 Introduction to Regression Analysis

Based on courses selected, students can obtain the following concentrations within the Management Strategy stream:

Quantitative Strategy and Analysis:
MGSC10H3, MGEC11H3 and MGSD55H3

Technology Strategy:
MGSC35H3, MGSC10H3 and [MGSD55H3 or MGSD15H3]

Strategy, Government and Society:
MGSC05H3, MGSC14H3 and MGSD40H3

General Strategic Management:
MGSD05H3 and 1.0 credit from list of concentration courses from requirement 5

6. Advanced Course – 0.5 credit:
MGSD01H3 Senior Seminar in Strategic Management

7. Elective Courses – 0.5 credit from:
Either the concentration courses listed in requirement 5, provided it has not been used for any other requirement, or:
MGSB22H3 Entrepreneurship
MGSC03H3 Public Management
MGSC12H3 Narrative and Management
MGSC20H3 Consulting and Contracting: New Ways of Work
MGSC30H3 The Legal Environment of Business I

MGSD24H3 New Venture Creation and Planning
MGSD30H3 Intellectual Property Law
MGEC11H3 Introduction to Regression Analysis
MGEC41H3 Industrial Organization
MGED43H3 Organization Strategies

Note: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in the Degree Requirements section of the UTSC *Calendar*.

New:
To complete the program, a student must meet the course requirements described below. The program requirements comprise a core 10.5 credits, and an additional 3.5 credits for the Management Strategy stream (14.0 credits total.)

Note: A single course may only be used once to fulfill one of the following program requirements.

Core (10.5 credits):

1. (7.0 credits):
MGAB01H3 Introductory Financial Accounting I
MGAB02H3 Introductory Financial Accounting II
MGAB03H3 Introductory Management Accounting
MGFB10H3 Principles of Finance
MGFC10H3 Intermediate Finance
MGHA12H3 Human Resource Management
MGHB02H3 Managing People and Groups in Organizations
MGHC02H3 Management Skills
MGMA01H3 Principles of Marketing
MGMB01H3 Marketing Management
MGOC10H3 Analytics for Decision Making
MGOC20H3 Operations Management
MGTA38H3 Management Communications
and
0.5 credit at the D-level in either Management or Economics for Management Studies courses

2. (0.5 credit):
MATA34H3
or
[[MATA29H3/MATA30H3/MATA31H3/(MATA32H3)] and [(MATA33H3)/MATA35H3/MATA36H3/MATA37H3]]

3. (3.0 credits):
MGEA02H3 Introduction to Microeconomics: A Mathematical Approach
MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach
MGEB02H3 Price Theory: A Mathematical Approach
MGEB06H3 Macroeconomic Theory and Policy: A Mathematical Approach
MGEB11H3 Quantitative Methods in Economics I
MGEB12H3 Quantitative Methods in Economics II

Management Strategy Stream (3.5 credits):

4. Foundation Courses - 1.0 credit:
MGSB01H3 Introduction to Strategy
MGSC01H3 Strategic Management I

5. Concentration Courses – 1.5 credits from:
MGEC11H3 Introduction to Regression Analysis
MGSC05H3 The Changing World of Business-Government Relations
MGSC10H3 Business Strategy in the Digital Age
MGSC14H3 Management Ethics
MGSC35H3 Innovation
MGSD05H3 Strategic Management II
MGSD40H3 Corporate Social Responsibility

Based on courses selected, students can obtain the following concentrations within the Management Strategy stream:

Quantitative Strategy and Analysis:
MGSC10H3, MGEC11H3 and MGSD55H3

Technology Strategy:
MGSC10H3, MGSC35H3, and [MGSD15H3 or MGSD55H3]

Strategy, Government and Society:
MGSC05H3, MGSC14H3 and MGSD40H3

General Strategic Management:

MGSD05H3 and 1.0 credit from list of concentration courses from requirement 5

6. Advanced Course – 0.5 credit:
MGSD01H3 Senior Seminar in Strategic Management

7. Elective Courses – 0.5 credit from:
MGEC11H3 - Introduction to Regression Analysis
MGEC41H3 - Industrial Organization
MGED43H3 - Organization Strategies.
or any B-, C- or D-level Strategy course (MGS)

Note: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in the Degree Requirements section of the UTSC *Calendar*.

Description of Proposed Changes:
1. All courses have been rearranged to ensure alphabetical order
2. Requirement 7: Change to one statement instead of a list of courses and titles to include all electives from the area and specific economic courses. The removal of the list of courses and titles and replacing them with a sentence that captures all B, C and D level courses in the Strategy area including specific Economic courses.

Rationale:
1. This is an editorial change to ensure consistency throughout the calendar.
2. Course offerings in Strategic Management have increased over time. The proposed rewording will allow all strategy electives to fulfill this specific program requirement. The advantage of using a general statement is that when the area introduces any new courses, thus helping to reduce housekeeping and regular updates. It will also provide students with flexibility to complete this program.

Impact: None

Consultations: DCC Approval: September 20, 2024

Resource Implications: None.

Proposal Status: Under Review

4 Course Modifications

MGHD14H3: Leadership

Description:

Previous:
This advanced leadership seminar builds on MGHC02H3/(MGTC90H3) Management Skills, focusing on leadership theories and practices. Through case studies, skill-building exercises, and world-class research, students will learn critical leadership theories and concepts while gaining an understanding of how effective leaders initiate and sustain change at the individual and corporate levels, allowing each student to harness their full leadership potential.

New:
This advanced leadership seminar builds on Management Skills and International Leadership Skills, focusing on leadership theories and practices. Through case studies, skill-building exercises, and world-class research, students will learn critical leadership theories and concepts while gaining an understanding of how effective leaders initiate and sustain change at the individual and corporate levels, allowing each student to harness their full leadership potential.

Prerequisites:

Previous: [MGHB02H3 or MGIB02H3] or MGHC02H3 or MGIC02H3

New: [MGHC02H3 or MGIC02H3]

Rationale:
1. The course description is being updated to remove course codes and limit future housekeeping.
2. The perquisite are being revised to remove old course code MGTC90H3 because this is no longer relevant and because MGHB02H3 and MGIB02H3 presence here is redundant; these are prerequisites to MGHC02H3 and MGIC02H3.

Consultation: DCC Approval: September 20, 2024

Resources: None.

Proposal Status: Under Review

MGOC10H3: Analytics for Decision Making

Prerequisites:

Previous: MGEB02H3 and MGEB12H3 and [MGTA38H3 or (MGTA36H3) or (MGTA35H3)]

New: MGEB02H3 and [MGEB12H3 or MAF2001 or CDPD00] and [MGTA38H3 or (MGTA36H3) or (MGTA35H3)]
NOTE: Students enrolled in the Combined Degree Program with Master of Accounting and Finance may take MGOC10H3 and MAF2001H1 concurrently in the same term.

Rationale:
Adding MAF2001 or CDPD00 to the list of prerequisites. This change addresses an oversight that was not previously addressed. As the Combined Degree Program (CDP) calendar states, “Students are exempted from MGEB12H3 Quantitative Methods in Economics II”, however this course is a prerequisite for MGOC10H3 - Analytics for Decision Making, which is a required course for the CDP. This change identifies the correct pre/corequisite students must complete to pursue MGOC10H3 and reduces course enrolment confusion for the CDP students.

Consultation:
DCC Approval: December 5, 2024

Resources: None

Proposal Status: Under Review

MGSB01H3: Introduction to Strategy

Description:

Previous:
This course offers an introduction to strategic management. It analyzes strategic interactions between rival firms in the product market, provides conceptual tools for analyzing these interactions, and highlights the applications of these tools to key elements of business strategy. The course then moves beyond product market competition and considers (among other things) strategic interactions inside the organization, and with non-market actors.

New:
This course offers an introduction to strategic management. It analyzes strategic interactions between rival firms in the product market, provides conceptual tools for analyzing these interactions, and highlights the applications of these tools to key elements of business strategy. The course then moves beyond product market competition and considers (among other things) strategic interactions inside the organization, and in the context of corporate strategy.

Rationale:
The revision provides a clearer and better course description, while maintaining the learning outcomes of the course.

Consultation:
DCC Approval: September 20, 2024

Resources: None

Proposal Status: Under Review

MGSD55H3: Strategy and Technology

Description:

Previous:
This is an advanced course tackling critical issues in technology and information strategy. We focus on the theory and application of platform, screening, and AI strategies

New:
This is an advanced course tackling critical issues in technology and information strategy. We focus on the theory and application of platform, screening, and AI strategies. The course combines lectures with case discussions to apply business frameworks in real-life complex and high-stakes settings.

Prerequisites:

Previous: MGAB02H3 and MGEB02H3 and MGSB01H3 and [MGIC01H3 or MGSC01H3]

New: MGAB02H3 and [MGEB02H3 or MGEB11H3] and MGSB01H3 and [MGSC01H3 or MGIC01H3 or enrolment in the Specialist/Specialist (Co-op) program in Management and Information Technology (BBA)]

Rationale:
1. Course description: changes aim to provide a clearer understanding of the content covered in the course.
2. Prerequisite: has been changed to ensure consistency with the MGSD15H3 exclusion. Also, it encourages more student's flexibility. The removal of MGEB11H3 is no longer necessary for students.

Consultation: DCC Approval: October 18, 2024

Resources: None.

Proposal Status: Under Review

2 Retired Courses

MGMC20H3: Marketing in the Information Age

Rationale:
This course is being retired as it has not been offered in many years and there are no plans to offer it. Because it is not a core program requirement and was only used as an optional course; it will not impact the Marketing program or any of our other BBA programs.

Consultation:
DCC Approval: October 18, 2024

Resources: None

Proposal Status: Under Review

MGMC30H3: Event and Sponsorship Management

Rationale:
This course is being retired as it has not been offered in many years and there are no plans to offer it. Because it is not a core program requirement, and was only used as an optional course; it will not impact the Marketing program or any of our other BBA programs.

Consultation: DCC Approval: October 18, 2024

Resources: None.

Proposal Status: Under Review

Sociology (UTSC), Department of

4 Program Modifications

SCCER1040: CERTIFICATE IN COMPUTATIONAL SOCIAL SCIENCE

Completion Requirements:

Certificate Requirements

Students must complete a minimum of 2.0 credits as follows:

1. ~~*0.5 credit from the following:*~~ **0.5 credit from the following:**
SOCB35H3 Numeracy and Society
STAB23H3 Introduction to Statistics for the Social Sciences

2. SOCC70H3 Models of the Social World

3. ~~*At least 1.0 credit from the following:*~~ **At least 1.0 credit from the following:**
CSCA20H3 Introduction to Programming or equivalent
GGRB30H3 Fundamentals of GIS I
GGRB32H3 Fundamentals of GIS II
GGRC30H3 Advanced GIS
GGRC32H3 Essential Spatial Analysis
GGRC42H3 Making Sense of Data: Applied Multivariate Analysis
HLTC27H3 Community Health and Epidemiology
POLD56H3 Politics and Computational Social Science
~~POLD87H3 Rational Choice and International Cooperation Essential Spatial Analysis~~

Description of Proposed Changes:

- Formatting adjustment to bin titles
- Removal of a course as an option in Bin 3

Rationale:

- Formatting changes to the bin titles from italicized text to bolded text. This edit is to show consistency with the other program offerings in Sociology.
- In Bin 3, POLD87H3: Rational Choice and International Cooperation, has been removed from the bucket of courses as it is not relevant to the certificate program.

Consultations:

OVPD Office - December 4, 2024
Sociology Chair Approval – February 25, 2025
Registrar's Office (Lindsey Taylor) February 28, 2025

Resource Implications:

None

Proposal Status:

Under Review

SCMIN1017: MINOR PROGRAM IN CRITICAL MIGRATION STUDIES (ARTS)

Completion Requirements:

Program Restrictions

Students in the Minor Program in Critical Migration Studies may count only 1.0 credit in Sociology courses towards completion of the program from the following list: [SOCA05H3, or [(SOCA01H3) and (SOCA02H3)] or (SOCA03Y3)], and SOCB05H3.

Program Requirements

The program requires the completion of 4.0 credits as follows:

1. 1.0 credit from the following:
ANTA02H3 Introduction to Anthropology: Society, Culture and Language
GASA01H3/HISA06H3 Introducing Global Asia and its Histories
GASA02H3 Introduction to Global Asia Studies
GGRA02H3 The Geography of Global Processes
HISA04H3 Themes in World History I
HISA05H3 Themes in World History II
HLTA02H3 ~~Foundations in Health Studies I~~ Exploring Health and Society: Theories, Perspectives, and Patterns
HLTA03H3 ~~Foundations in Health Studies II~~ Navigating Health and Society: Research, Practice, and Policy
POLA01H3 Critical Issues in Politics I
POLA02H3 Critical Issues in Politics II
SOCA05H3 The Sociological Imagination
(SOCA01H3) Introduction to Sociology I
(SOCA02H3) Introduction to Sociology II
(SOCA03Y3) Introduction to Sociology

2. SOCB60H3 Issues in Critical Migration Studies

3. 0.5 credit from the following:

ANTB19H3 Ethnography and the Comparative Study of Human Societies
ANTB20H3 Ethnography and the Global Contemporary
GGRB02H3 The Logic of Geographical Thought
HISB03H3 Critical Writing and Research for Historians
HLTB15H3 ~~Introduction to~~ Health Research Methodology
SOCB05H3 Logic of Social Inquiry

4. 0.5 credit from the following:
ANTB16H3 Canadian Cultural Identities
GASB53H3 Mughals and the World, 1500-1858 AD
(GASB74H3)/(HISB74H3) Asian Foods and Global Cities
GGRA35H3 The Great Scarborough Mashup: People, Place, Community, Experience
SOCB53H3 Race and Ethnicity

5. 1.0 credit from the following:
ANTC34H3 The Anthropology of Transnationalism
CITC01H3 Urban Communities and Neighbourhoods Case Study: East Scarborough
FSTB14H3/(HISB14H3) Why We Cook
GASC59H3 The Making of Tamil Worlds
GASD01H3/HISD09H3 Senior Seminar: Topics in Global Asian Migrations
GASD56H3 'Coolies' and Others: Asian Labouring Diasporas in the British Empire
(GGRC56H3) Spaces of Travel: Unsettling Migration, Tourism, and Everyday Mobilities
(GGRD19H3) Spaces of Multiraciality: Critical Mixed Race Theory
~~HISB14H3 Edible History: History of Global Foodways~~
HISC11H3 Multiculturalism and Cultural Identities in the Greek and Roman Worlds
HISC36H3 People in Motion: Immigrants and Migrants in U.S History
HISD31H3 Thinking of Diversity: Perspectives on American Pluralisms
HISD35H3 The Politics of American Immigration, 1865-present
HLTD06H3 ~~Auto-Ethnographic Studies of Migration, Health and the State~~ Migration, Medicine, and the Law
POLD52H3 Immigration and Canadian Political Development
SOCC25H3 Ethnicity, Race and Migration
SOCC34H3 Migrations and Transnationalisms
SOCC52H3 Immigration, Citizenship & Settler Colonialism
SOCC55H3 Special Topics in Race and Ethnicity

6. 0.5 credit from the following:
SOCD15H3 Advanced Seminar in Critical Migration Studies
SOCD21H3 Immigrant Scarborough

Description of Proposed Changes:
Editorial course clean-up - course code/title changes and course retirement

Rationale:
Editorial Course clean up for the following:
- HLTA02H3: Foundations in Health Studies I has been changed to HLTA02H3:Exploring Health and Society: Theories, Perspectives, and Patterns
- HLTA03H3: Foundations in Health Studies II has been changed to HLTA03H3: Navigating Health and Society: Research, Practice, and Policy
- HLTB15H3: Introduction to Health Research Methodology has been changed to HLTB15H3: Health Research Methodology
- GASB74H3/HISB74H3 Asian Foods and Global Cities are being retired
- HISB14H3: Edible History: History of Global Foodways has been retired and program has been moved from HCS to DPES under new course code FSTB14H3: Why We Cook
- HLTD06H3: Auto-Ethnographic Studies of Migration, Health and the State has been changed to HLTD06H3: Migration, Medicine, and the Law

Impact:
None

Consultations:
DPES Consultation Date: January 8, 2025
HCS Consultation Date: January 8, 2025
DHS Consultation Date: January 8, 2025
Registrar's Office (Lindsey Taylor) February 28, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCMIN1015: MINOR PROGRAM IN CULTURE, CREATIVITY, AND CITIES (ARTS)

Completion Requirements:

Program Requirements
The program requires the completion of 4.0 credits as follows:

1. 0.5 credit from the following:
ANTA02H3 Introduction to Anthropology: Society, Culture and Language
CITA01H3/(CITB02H3) Foundations of City Studies
GGRA02H3 The Geography of Global Processes
(MDSA01H3)/MDSA10H3 ~~Introduction to~~ Media Foundations ~~Studies~~
(MDSA02H3)/MDSA13H3 ~~History of~~ Media Histories
MGTA01H3 Introduction to Business
MGTA02H3 Managing the Business Organization

SOCA05H3 The Sociological Imagination
(SOCA01H3) Introduction to Sociology I
(SOCA02H3) Introduction to Sociology II
(SOCA03Y3) Introduction to Sociology
VPAA10H3 Introduction to Arts and Media Management

2. SOCB58H3 Sociology of Culture

3. 1.0 credit from the following:
ACMB10H3 Equity and Diversity in the Arts
ENGB37H3 Popular Literature and Mass Culture
GGRB05H3 Urban Geography
GGRB55H3 Cultural Geography
(MDSB03H3)/MDSB33H3 Advertising and Consumer Culture
(MDSB25H3) Political Economy of Media
SOCB37H3 Economy, Culture, and Society
SOCB44H3 Sociology of Cities and Urban Life

4. SOCC26H3 Sociology of Urban Cultural Policies

5. 1.0 credit from the following:
ENGC59H3 Literature and the Environment
FLMC83H3 World Cinema
GGRC13H3 Urban Political Geography
SOCC27H3 Sociology of Suburbs and Suburbanization
SOCC44H3 Media and Society
SOCC47H3 Creative Industries
SOCD12H3 Sociology of Art
SOCD52H3 Sociology of Books
VPAC15H3 Cultural Policy

6. 0.5 credit from the following:
SOCD01H3 Advanced Seminar in Culture and Cities
SOCD51H3 Capstone Seminar in Culture, Creativity, and Cities

Description of Proposed Changes:
Editorial course clean-up - MDS course code/title changes and course retirement

Rationale:
Course and title changes for the following:
• The course code and title of MDSA01H3: Introduction to Media Studies has been retired due to sequence restructuring. The new code and title is MDSA10H3: Media Foundations
• The course code and title of MDSA02H3: History of Media has been retired due to sequence restructuring. The new code and title is MDSA13H3: Media History
• The course code for MDSB03H3: Advertising and Consumer Culture has been changed to MDSB33H3: Advertising and Consumer Culture
• MDSB25H3: Political Economy of Media has been retired

Impact:
None

Consultations:
ACM Consultation Date: February 3, 2025
Registrar's Office (Lindsey Taylor) February 28, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCSPE1013: SPECIALIST PROGRAM IN SOCIOLOGY (ARTS)

Completion Requirements:

Program Requirements
The Program requires completion of 12.0 credits as described below. No more than 14.0 credits in Sociology may be included in a four-year degree.

1. 1.0 credit as follows:
SOCA05H3 and SOCA06H3 [or (SOCA03Y3) or (SOCA01H3) and (SOCA02H3)]

2. SOCB05H3 Logic of Social Inquiry

3. SOCB35H3 Numeracy and Society

4. SOCB42H3 Theory I: Discovering the Social

5. SOCB43H3 Theory II: Big Ideas in Sociology

6. 3.0 credits at the B-level in Sociology

7. SOCC40H3 Contemporary Sociological Theory

8. SOCC23H3 ~~Practicum in Qualitative Research Methods~~ Research in Action: Gathering and Analyzing Qualitative Data
or
SOCC31H3 ~~Practicum in Quantitative Research Methods~~ Research in Action: Quantitative Data and Statistical Analysis

9. 0.5 credit in SOC at the C-level that has been designated as an Applied Writing Skills course

10. 4.5 additional credits at the C- or D- level in SOC courses*, of which at least 1.0 credit must be at the D-level.
*Students may substitute courses from cognate disciplines with the prior approval of the program supervisor.

Description of Proposed Changes:
1. SOCC23H3: Title change from Practicum in Qualitative Research Methods to Research in Action: Gathering Analyzing Qualitative Data
2. SOCC31H3: Title change from Practicum in Quantitative Research Methods to Research in Action: Quantitative Data and Statistical Analysis

Rationale:
Course titles were updated to more accurately describe the courses.

Impact:
None

Consultations:
DCC approval: October 15th, 2024

Resource Implications:
None

Proposal Status:
Under Review

2 Course Modifications

SOCC23H3: Research in Action: Gathering and Analyzing Qualitative Data

Title:

~~Practicum in Qualitative Research Methods~~ Research in Action: Gathering and Analyzing Qualitative Data

Rationale:
The course title has been updated to better reflect the course content.

Consultation:
DCC approval: October 15th, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resources:
None

Proposal Status:
Under Review

SOCC31H3: Research in Action: Quantitative Data and Statistical Analysis

Title:

~~Practicum in Quantitative Research Methods~~ Research in Action: Quantitative Data and Statistical Analysis

Description:

~~This course provides students with hands-on experience conducting quantitative research. Each student will design and carry out a research project using secondary data. Students will select their own research questions, review the relevant sociological literature, develop a research design, conduct statistical analyses and write up and present their findings.~~
~~This course has been designated an Applied Writing Skills Course.~~
This course invites students to explore their sociological interests through designing and executing their own research projects using real-world quantitative data. Participants will gain a comprehensive understanding of one or more types of quantitative data, such as social survey or census data, including how the data are collected, their value for sociological research, and how to effectively analyze and interpret them. Throughout the course, students will engage in every step of the research process, from selecting research topics and formulating questions to reviewing relevant sociological literature, creating research designs, conducting statistical analyses, and presenting findings in both oral and written formats. The course equips students with practical research skills in quantitative data analysis and interpretation, preparing them to transform raw data into meaningful sociological insights. This course has been designated an Applied Writing Skills Course.

Rationale:
Course title and description have been updated to accurately reflect course content and to present it in a more engaging manner for our students. Learning outcomes and methods of assessment remain the same.

Consultation:
DCC approval: October 15th, 2024
Registrar's Office (Lindsey Taylor) February 28, 2025

Resources:
None

Instructor:
Professor Ann Mullen

Proposal Status:
Under Review